



JUNE 1990



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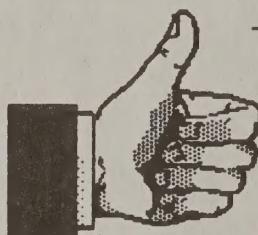
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President's Corner

Phil Russo - N3GGD

President of the Foundation for Amateur Radio

I would like to take a moment in this first of hopefully a series of writings to thank a few people who desperately deserve it. To NK4U for the encouragement to get involved, which is something I'd not done in almost 15 years. To N3CKD for the prodding and the encouragement and the "elmering". To N3FNF for literally pounding the code into my thick scull. All these people and more, some of them are my father's closest friends and it was all pulled off without W3ELS'S knowledge. It turned out to be the best Christmas present I ever gave him. By now you guessed the present, "KA3SKI" me.

Now as N3GDD and still trying to upgrade I have been thrust into a most humbling position, and I have more people to thank, some of them in advance. To WA3YLO for his enthusiasm and creativity, I'll need it. To W3BWN for his analytical abilities and follow through. To N3CKD for his guidance and encouragement. To WA4SQL who is fast becoming my Wade. To N4TCI for her sheer dedication & hard work. To KA3UZI for stepping into Mary's and Irene's shoes, some big ones to fill at that. And finally to W3ELS, all those damn beeps over the years, not giving up on me, the guidance, the protocol training and the role model to emulate, thanks.

If you don't know who all these people are, come to a foundation meeting. These are the men and women, along with many others, who comprise your Foundation for Amateur Radio Board of Trustees. One person, or should I say "the other guy" can't do it alone - all the Scholarships, Grants, Hamfest, Spring Banquet, Ham of the Month, Auto-Call, etc. This organization is growing; to keep growing we need fresh blood, fresh ideas and renewed enthusiasm. If you think you have a better mouse trap - come to a trustee meeting, it's open to all Hams, we will welcome your visit.

Happy Hamming.

Phil - N3GDD

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Coming Events

1990

May 27 Roanoke, VA 30th RVARC Mayfest

June 3 **Manassas Hamfest, Manassas, VA** - See Flyer Page 36

June 3 DFRC Special Event Activity (See Anne Arundel column)

June 8-10 ARRL National Convention, Kansas City, Mo (See Page 29)

June 10 Annual Bay Bridge Swim (See Anne Arundel column, Page 50)

June 17 **Frederick Hamfest, Frederick, MD** - See Flyer on Page 26

June 23-24 **FIELD DAY**

July 7 Jackson's Mill Hamfest/ State Radio Council, Jackson's Mill, W VA

July 21 Bluefield Hamfest, Bluefield, WV

July 29 **BRATS HAMFEST, Timonium, MD** (See Page 55)

Aug. 5 **Winchester 40th Hamfest, Berryville, VA**

Aug. 18 Maryland/DC QSO Party

Sept 9 **Foundation For Amateur Radio Hamfest, Gaithersburg, Maryland**

Sept 15-16 Virginia Beach Hamfest
ARRL Roanoke Division Convention
ANARC SWL Convention, Computer Exhibition
Virginia Beach, Virginia

Sept 29 TARA Hamfest, Huntington, WV

Oct 14 **CARA 13th Annual Hamfest, Howard County, MD**
24 Hour Information Line: 997-5052

Oct 12-13 QCWA National Convention, Kansas City, Mo

Please keep Auto-Call advised of important Coming Events.
We are anxious to provide our readers with timely information
and to help you avoid possible conflicts when scheduling activities.

EEB

the EEB Hamgram

HAM & SWL NEWSLETTER

Volume 190

Spring 1990

THE NEW EEB

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Over the last 12 years we have mailed thousands of HAMGRAMs as promotions for special sales. They were mass mailed to nearly every ham in this area.

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Our idea with the new HAMGRAM is to quickly inform our subscribers of special deals from our suppliers that you may never see in the magazines. You'll also see announcements of new products before they appear in the magazines and read about things months before they will be seen in QST, CQ, 73, or Ham Radio. Why? Because those big magazines have a nearly three month lead time for publication. The HAMGRAM is prepared locally and has a lead time of only a few days.

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CUSHCRAFT

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FCC Highlights

By Bill Grenfell, W4GF

"By letter of April 19, 1990, the ARRL has asked that its petition for rulemaking, RM-7248, be withdrawn. "The League's purpose in submitting the petition was to implement in the rules a plan to facilitate the present and future development of RTTY and data communications among Amateurs by permitting automatic control of RTTY and data transmissions including third-party message-handling in certain segments of the high frequency bands. "The ARRL retains this goal." "However, The League's Board of Directors would like to have the opportunity to revisit the matter, and to consider alternatives to the specific proposal contained in the petition, and so respectfully requested that the petition for rulemaking, RM-7248, be withdrawn without prejudice at the present time. "It also specifically requested that the present STA for automatic control of Amateur HF digital communications be extended, if necessary, for additional periods in order to develop further experimental data on these modes." (The present Special Temporary Authority expires in January 1991.)

"The FCC has granted the ARRL a license to conduct experiments on the potential for interference from Amateur 220 MHz operations to TV Channel 13. In disposing of the many petitions for reconsideration of the reallocation of 220-222 MHz to land mobile use (General Docket 87-14) the FCC said that it might consider making spectrum below 220 MHz available to Amateurs if it did not interfere with television. "This is seen as the first step toward that end." The results of these experiments may be crucial to obtaining FCC acceptance of Amateur operation in the 216-220 MHz region. It is "particularly interesting that ARRL will test spread-spectrum emissions. "Spread spectrum - the transmission of high speed digital information (voice or data) in a wide bandwidth - is known for its ability

to share spectrum without disturbing co-channel users of conventional technologies. "Some Amateur experimentation with spread-spectrum has taken place. "A ham repeater using this mode is being constructed near Washington, D.C. (The ARRL experimental station, KF2XAA, is not authorized to communicate with regular Amateur stations, but is a self-contained operation that will communicate with units under its own license.)

On October 11, 1989, FCC Special Services Division Chief Robert H. McNamara wrote to a number of Amateurs seeking comments and information on phone patches, information bulletins and over-the-air telephony practice. The letter requested information and insight that could bring a resolution to "the unfortunate continuing over-the-air dispute that takes place on the 20 meter band...which is jeopardizing international good will..." The letter asked a number of questions on these topics. In a 12/21/89 letter on the matter, McNamara stated that the replies "...confirm that misuse of an important Amateur service frequency band was having a major negative impact upon the service. They clearly show that the Amateur service was not fully cooperating in selecting transmitting channels and in making the most effective use of the Amateur service frequencies as required by Section 97.101(b).

" McNamara stated there were two general views for a solution in the responses. One, that the Amateur community should be allowed to solve the problem internally. The second, that the Commission should mount a massive enforcement effort. He said the second approach was not possible due to enforcement priorities and budget constraints; if direct Commission intervention proved to be necessary it would be in the form of additional restrictions that may affect all Amateur operators. Mr. McNamara said

FCC Highlights - Continued

"In view of the above, we will afford the Amateur community the self-regulation opportunity suggested..." The ARRL's 11/15/89 letter which contains specific suggestions in this regard was sent to the FCC.

"On March 20, the ARRL filed its comments with the FCC in its proposal to establish a Personal Emergency Locating Transmitter Service (PELTS) in the 220 MHz band. The League "said this proposal is premature because the FCC'S proceeding in PR Docket 87-14 to reallocate the 220-222 MHz band to the land mobile service is not final. The "PELTS" Docket number is PR 89-599.

On March 16 the ARRL advised FCC that it was "...gratified to note the absence of comments proposing the reallocation of existing Amateur Radio bands to other services" in FCC's inquiry relative to its preparation for WARC-92. (World Administrative Radio Conference, 1992). (FCC GENERAL DOCKET 89-554).

"The FCC has reaffirmed its contention that the federal government...has authority in matters of radio frequency interference and states and local municipalities have none!" In a letter to the ARRL, "the FCC's Robert L. Pettit said that congress has pre-empted any concurrent state or local regulation of radio interference pursuant to the provisions of the Communications Act of 1934 as amended. "Section 302(a)(1) of the Act provides that the FCC may, consistent with public interest, convenience and necessity, make reasonable regulations governing the interference potential of devices which in their normal operation are capable of emitting radio frequency energy to a degree that might cause harm to radio communications. According to Pettit, state and local laws that require Amateurs to cease their operations on the threat of legal penalty as a consequence of radio frequency television interference are automatically unconstitutional as they have been entirely pre-empted by Congressional action. (Westlink Report, April 13, 1990).

END-OF-MONTH LICENSE TOTALS FEB 1990 MAR 1990

EXTRA	49,648	49,346
ADVANCED	100,738	100,156
GENERAL	115,678	114,964
TECHNICIAN	113,699	112,872
NOVICE	83,364	82,512
	-----	-----
	463,127	459,850

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AA5RC	KI5EG	N5QFT	KB5MDV
AA6UY	KK6IS	N6YJC	KC6JXO
AA7DZ	KG7CC	N7ONS	KB7KFO
AA8AM	KF8FF	N8MBD	KB8JMZ
WQ9W	KE9VU	N9JLU	KB9EJF
AA0AJ	KFOJN	NOLSP	KB0GHU
HAWAII	AH6KI*	NH6WH	WH6CHD
ALASKA	AL7LY*	NL7TT	WL7BXL

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The N-prefixed Gen/Tech Group (1x3) call-sign blocks for the fourth and sixth call districts have nearly all been assigned. After N4ZZZ and N6ZZZ have been issued, FCC will begin assigning calls from the 2x3 call sign block.

(Material marked by "quotes" was obtained from various publications, including the ARRL Letter, W5YI Report, WESTLINK Report, and FCC Rule-making Notices.

Gf

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American Radio Relay League Report

By John Swafford - W4HU

This ARRL Report provides a brief summary of information published in the ARRL LETTER and other reports. The LETTER provides timely news of interest to active Radio Amateurs. Any League member may subscribe to the ARRL LETTER.

ARRL TO FCC: W1AW OPERATIONS NOT PART OF THE DISPUTE. On October 11, 1989, FCC Special Services Division Chief Robert H. McNamara wrote to a number of Amateurs seeking comments and information on phone patches, information bulletins and over-the-air telephony practice. The letter requested information and insight that could bring a resolution to "the unfortunate continuing over-the-air dispute that takes place on the 20 meter band...which is jeopardizing international goodwill..." The letter asked a number of questions on these topics.

ARRL's response was submitted on November 15, by Counsel Chris Imlay, N3AKD, on behalf of W1AW Trustee John Lindholm, W1XX, as well as the ARRL. In it, Imlay made observations and recommendations as requested in McNamara's letter. At the urging of FCC staff, the League in the mid-1970s developed the eleven-point "Phone Patch and Autopatch Guidelines" that appears in The FCC Rule Book (Eighth Edition) on page 13-15. These guidelines have stood the test of time, and are generally accepted as a useful supplement to the Commission's Rules.

The League believes that the definition of the term "information bulletin" contained in the Commission's Rules should be strictly applied and enforced.

With regard to telephony practice, the only guidelines needed are to ensure that the purpose of the transmissions is to provide telephony practice and not to engage in one-way transmissions that otherwise would be illegal:

* The text should not be randomly generated, since such practice material is readily available via other media.

* The text should be taken from a published, readily available source to facilitate checking accuracy of copy.

* The text should relate in some way to Amateur Radio.

* Text should not be sent repeatedly.

In a letter dated December 21, 1989, McNamara stated that 45 replies were received in response to his letter and that although the responses "contained somewhat conflicting information and views, they were helpful in understanding the issues so that a course of action could be selected." McNamara stated that it appeared that the intensity of the debate has subsided and that most of those participating in it have recommitted themselves to the basic principles of the Amateur service by attempting to resolve such disputes off the air.

He stated that the disputes are centered in three main areas: phone patch communications on the HF bands, information bulletins and telephony practice transmissions. McNamara stated that the replies "...confirm that misuse of an important Amateur service frequency band was having a major negative impact upon the service. They clearly show that the Amateur service was not fully cooperating in selecting transmitting channels and in making the most effective use of the Amateur service frequencies as required by Section 97.101(b)."

McNamara stated there were two general views for a solution in the responses. One, that the Amateur community should be allowed to solve the problem internally. The second that the Commission should mount a massive enforcement effort. McNamara said the second approach was not possible due to enforcement priorities and budget constraints; if direct Commission intervention

ARRL Report - Continued

proved to be necessary it would be in the form of additional restrictions that may affect all Amateur operators. Mr McNamara said "In view of the above, we will afford the Amateur community the self-regulation opportunity suggested. To implement this plan, we suggest you and the managers of eight other Amateur service organizations...consider submitting a joint plan for the problem resolution within the Amateur community." McNamara suggested that this plan be developed by July 1, 1990.

In a March 19 letter to the FCC, the ARRL stated that, according to letters received by the FCC in this matter, there is no basis for the operations of W1AW to be included in any further discussion. Letters received by the FCC from Amateurs indicated that the Amateur community clearly holds the W1AW transmissions of code practice and bulletins in the highest regard. There was not a single dissenting statement to be found in the file and thus no purpose to be served by having W1AW operations included in further discussions aimed at resolving the dispute on 20 meters.

As one correspondent put it, "...regarding the telegraphy practice...(and) W1AW...I have a hard time understanding that it is a problem." The ARRL agrees and stated that it does not believe that the W1AW trustee should be a party to the FCC requirement that those involved submit a plan of resolution.

The League did not discount the seriousness of the central issues of the dispute, nor the harm to the Amateur Radio Service and to the public which has resulted from the continuing on-the-air confrontations between Amateurs holding differing views. Thus, the ARRL's letter of November 15, 1989, which contains a number of specific suggestions in this regard, was sent to the FCC.

ARRL COMMENTS IN NTIA STUDY OF TELECOM INFRASTRUCTURE. The National Telecommunications and Information Administration (NTIA) initiated a study into the domestic telecommunications infrastructure earlier this year. The NTIA Notice of Inquiry appeared in the January 9 Federal Register.

The objectives of NTIA's study are to: examine the significance of telecommunications as an element of infrastructure; consider the technological and marketplace trends that are determining the characteristics and capabilities of telecommunications in the US and elsewhere; evaluate the ways in which telecom services and capabilities affect both the international competitiveness of US business and the quality of life of US citizens; and assess the role of regulatory and other government policies in promoting the development of an infrastructure that meets present and future national needs.

On March 19, the ARRL submitted comments on the NTIA inquiry. The League said that the role of Amateur Radio should be considered in any broad review of this nature particularly with regard to:

- * Communications capabilities.
- * Hands-on educational and outreach opportunities.
- * Public service communications.
- * Unique opportunities for the promotion of international good will.

US Amateurs' ability to supply these services, however, have been affected to some extent by the imposition of restrictive federal, state and local regulatory policies forcing society either to provide the functions with higher-cost alternatives or to do without them altogether.

The League also said that there is a natural tendency for government and private entities to take for granted the voluntary services provided by the Amateur community --- assuming that they will always be available --- and noted that the services Amateurs provide... "will remain available only if public policy continues to recognize the modest requirements of radio Amateurs for reasonable access to the radio spectrum, reasonable antenna installations, compatibility of

ARRL Report - Continued

home electronic devices with transmitting and sensitive receiving equipment located nearby, and relief from unjustified state and local regulation."

ARRL FILES REPLY COMMENTS IN GENERAL DOCKET 89-554. On March 16, the ARRL submitted its reply comments to the FCC's inquiry relative to its preparation for WARC-92. In it the League said that it was gratified to note the absence of comments proposing the reallocation of existing Amateur Radio bands to other services. ARRL noted that a number of commenters representing high-frequency broadcasting (HFBC) interests appear to be seeking expansion of their allocations by about 50%. ARRL said that this additional spectrum might not be needed if the HFBC service adopted single-sideband instead of double-sideband amplitude modulation as its standard and that FCC should consider expansion of HFBC only after it had embraced this and other spectrum conservation techniques.

The League noted that Motorola's forecast for 800 MHz of new spectrum for land mobile in the 1-3 GHz range was "jolting" if not unsurprising. ARRL suggested that some portions of the UHF TV spectrum be considered for reallocation. The increased use of cable, videotape and other spectrum conservation techniques has, in the League's opinion, lessened the need for some of the television spectrum allocations in the UHF region. ARRL agreed with comments made by the American Petroleum Institute which said that while there is a shortage of land mobile spectrum... the situation is aggravated by the operational and technical inefficiencies in use in their current spectrum assignments.

ARRL EXECUTIVE COMMITTEE MEETS. The Executive Committee (EC) of the American Radio Relay League met on March 10 in Washington, DC. Among EC actions were:

* Authorization to file comments in PR Docket Numbers 89-599 and 89-552 regarding the establishment of a Personal

Emergency Locator Transmitter Service in the 220-222 MHz band and implementation of the 220-222 MHz land mobile allocation into Part 90 of the FCC rules respectively.

* Appointment of a special working group to evaluate the FCC NPRM in PR Docket 90-55 against the ARRL petition for a codeless class of Amateur license, RM-6995 with the objective of developing a strawman ARRL position for distribution to the Board before the next Executive Committee meeting.

* Moved to request a 30-day extension for the filing of reply comments on RM-7248, the League's petition to establish limited segments for automatic control of digital HF transmissions.

The Executive Committee also reviewed the status of a number of ongoing FCC, international and organizational matters as well as ARRL and IARU preparations for WARC-92.

ARRL FILES COMMENTS IN PR DOCKET 89-599. On March 20, the ARRL filed its comments with the FCC in its proposal to establish a Personal Emergency Locating Transmitter Service (PELTS) in the 220-MHz band. The ARRL said this proposal is premature because the FCC's proceeding in PR Docket 87-14 to reallocate the 220-222 MHz band from the Amateur to the land mobile service is not final. The League noted that should the FCC's decision to reallocate the 220-222 MHz band be ultimately reversed there will be no frequency allocation for the private land mobile radio service and that no further action should be taken in this proceeding until the commission's allocations orders are affirmed on appeal, and any and all judicial appeals are exhausted.

STS-35 MISSION APPROACHING LAUNCH. Ron Parise, WA4SIR, is a Payload Specialist on the Space Shuttle mission STS-35 scheduled to be launched May 9, 1990 from Cape Canaveral. Ron will operate both 2-meter AFSK packet as well as 2-meter FM voice. The packet station (an HK-21 "pocket-packet TNC"

ARRL Report - Continued

marketed by Heathkit) will transmit bulletins providing updates on the mission and will operate in a ROBOT mode where stations on the ground can connect to the shuttle TNC and obtain a QSO number to validate the contact.

Ron is scheduled to operate the 2-meter voice station during his off hours and he will spend the majority of his time talking with school classrooms around the world offering them the opportunity to talk directly with an astronaut aboard the Space Shuttle. NASA has authorized SAREX (Shuttle Amateur Radio Experiment) in order to "encourage youth to become excited about science and technology" and to publicize manned space flight to the general public.

For the past few weeks the Amateur equipment to be used on the mission underwent EMC (electromagnetic compatibility) tests. These tests are designed to determine the possibility of any interference the Amateur equipment may inflict on any of the shuttle electronic systems. NASA has notified AMSAT that all the equipment passed the test.

With SAREX on STS-35, Amateur Radio may have an opportunity to further the quest for international cooperation in space. Now that Amateur Radio activity on the MIR space station appears to have resumed, AMSAT and ARRL are investigating whether there will be a mutual-visibility window between STS-35 and MIR for a first-ever Shuttle to MIR link-up. Adding to the excitement, the STS-35 Mission Commander is Vance Brand, who participated in the Apollo/Soyuz program many years ago.

The ARRL Educational Activities Department now has a SAREX teacher's package which includes lesson plans, resource material, videotapes and more.

SA-AMSAT BACAR MISSION 90/1 SUCCESSFUL. On March 10, SA-AMSAT launched three balloons carrying Amateur Radio (BACAR) to a height of nearly 50,000 feet above sea level.

BACAR was equipped with an RTTY telemetry unit providing information such as current altitude and rate of climb. The telemetry transmitter's output was in the 2-meter band. Also aboard was a monochrome CCD camera feeding a video transmitter operating on local UHF TV broadcast channel 35 (583.25 MHz). The South African licensing authority was petitioned by SA-AMSAT to use the commercial television frequency so that youth groups and young Amateurs without Amateur equipment could participate.

The local weather bureau provided tracking support and other logistical assistance. Seconds after BACAR started to ascend, reports of good quality video were received. Later in the flight video reception was reported from as far as Petersburg, South Africa, a city over 300 kilometers from the launch site.

WOHLERS OFFERS ARRL AFFILIATED CLUB LIABILITY INSURANCE. Every time your club holds a meeting or sponsors a fund-raiser, it leaves itself open to a potential lawsuit. As the sponsoring organization, your club could be accused of negligence that results in bodily injury or property damage or may in some other way be held liable for damages.

Because of this, ARRL endorses a comprehensive club liability plan. This policy provides coverage for lawsuits resulting from bodily injury and property damage at club sponsored activities. Your club is eligible for this liability coverage through its affiliation with ARRL. Each club receives up to \$2,000,000 (annual aggregate) in protection for its activities and members.

Additional information on the ARRL Club Liability Plan is available from ARRL HQ.

6Y5EE ON DISASTER COMMUNICATIONS. The Jamaica Amateur Radio Association's Disaster Communications Coordinator, Dr Eric Munroe, 6Y5EE, has seen front line action in many disaster

ARRL Report - Continued

situations, most recently during hurricanes Gilbert and Hugo. Gilbert rolled directly over Jamaica in 1988. Munroe headed a jump team to Antigua, Nevis and Montserrat on assignment from the Pan Caribbean Disaster Preparedness and Prevention Project following Hugo's path of destruction through the eastern part of the region.

Jamaica takes the role of Amateur Radio in its disaster communications planning seriously. ARRL Field Services Department Manager Rick Palm, K1CE, toured the Office of Disaster Preparedness (ODP) headquarters, which houses a fully equipped Amateur station, 6Y5ODP. The Jamaica Amateur Radio Association (JARA) has another well-equipped station, 6Y5RA, at Red Cross HQ, made even better equipped with the installation of a dual port (HF and VHF) WA7MBL packet bulletin board there.

At a reception hosted by Munroe, Palm and other members of a group sponsored by the US Office of Foreign Disaster Assistance (OFDA) learned that JARA works well with the ODP and other government ministries during simulated emergency tests and the real thing. Munroe said that during the three days prior to Gilbert hitting the island, JARA members concentrated on securing their houses and families. They got supplies and filled their bath tubs with water. With these tasks complete, they turned their attention to disaster communications planning.

Their first priority was to establish contact with key Jamaican embassies and consulates around the world, the Inter-

national Red Cross in Geneva, OFDA and National Red Cross HQ in Washington, DC. Munroe said in future situations, US Amateurs should transmit less, and listen more, primarily for key stations in areas in the storm's path. These stations may be weak owing to power and antenna limitations.

As far as island internal communications were concerned, Munroe offered some lessons that US Amateurs can use when confronted with similar situations in their own backyards. Munroe outlined the problem of too many confused messages coming from too many operators in the field. Munroe feels a war room where official decisions can be coordinated closely with the communicators, would alleviate some of these problems.

The Jamaicans have found that they have been able to solve the interesting problem of interoperability among the different agencies and ministries. While most have their own communications system, they seldom have the ability to communicate efficiently with others. During Gilbert, JARA stepped in to fill the gap.

Problems cropped up occasionally with lengthy messages, and were minimized with the use of short SITREPs (situation reports) limited to 25 words. JARA members found that ministry and agency officials tended to keep messages short when asked to write them out as opposed to simply speaking them. Accuracy improved, and a written record was established for later review.

xx

Foundation Meetings

The Foundation for Amateur Radio meets at 8:00 p.m. on the second Wednesday of each month.

Meetings alternate between Maryland and Virginia:

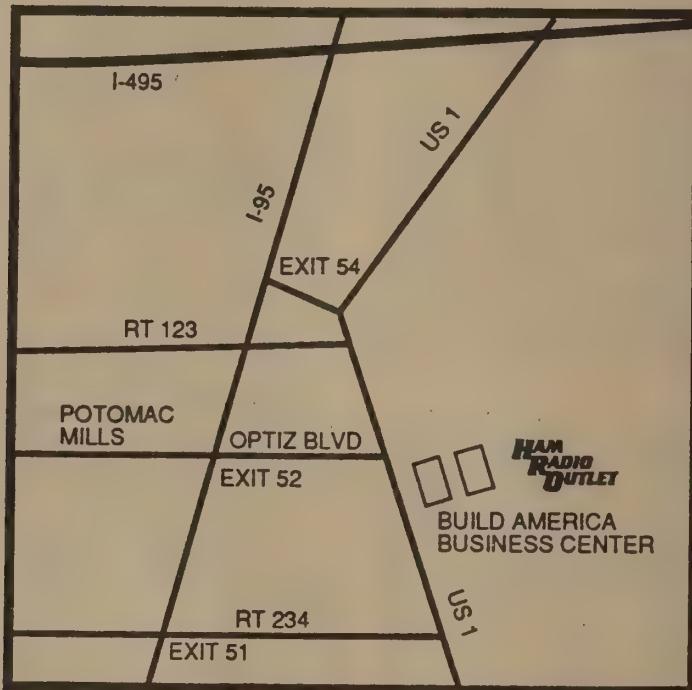
The next meeting will be on June 13
At the Columbia Union College Science Building Auditorium
Flower Avenue, Takoma Park, Maryland
Visitors are always welcome



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PUBLIC SERVICE REPORT

Hank Black - N3ESR

Material for the PUBLIC SERVICE REPORT can be left on the N4QQ PBBS (145.03,.05 or via DCA3) addressed to N3ESR, WA3ZNW PBBS on 145.09, called over the telephone by modem on arrangement or mailed to Public Service Report, 105 North Van Buren St., Rockville, Maryland 20850-1860. Deadline for receipt of material is the third of the month.

1990 Arlington Special Olympics

by Bob Lewis, N4SCK

On Saturday, May 28, 1990, while most of the Amateur Community was at the Dayton Hamvention, four radio operators assisted the Arlington County Special Olympics Committee with their event at the Washington Lee High School in Arlington.

A two-meter simplex frequency of 146.58 MHz was used to provide public safety communications as well as to relay score information from the fields to the scorekeeper. There was one case of heat exhaustion that was handled by the paramedics.

The committee would like to thank the following operators for their assistance during the event: N4ECI, N4BV, N4GYN, and KB4ZOD. They deserve special thanks due to the short notice they received prior to working the event, notice given at 9 p.m. Wednesday evening for an event that Saturday.

Cherry Blossom Parade 1990

by Bob Lewis, N4SCK

The 1990 Cherry Blossom parade took place on April 7, 1990 with the talk-in for the event beginning on the NVFMA W4LBL (146.79 MHz) repeater at 0730 hours.

Some changes were made this year with the Voice of America Amateur Radio Club offering use of their club station for Net Control operations. This saved a couple of hours in setup and tear down time. A camper belonging to Jim, WD4EKS, was used for a staging area on the Mall for late arrivals and a rest area for operators. It was "manned" by Judy, wife of N4SCK, who had a communication link with Net Control using GMRS radios.

At 0830 most of the operators had arrived at the Ellipse for the pre-event meeting which was hosted by Joe, WB4WZZ. At the request of N4SCK, Joe had organized and ran the event, as he has for the past few years, knowing all of the ins and outs of this event. At 0900 the operators were given their assignments and were dispersing to their assigned locations.

The operation was then switched to the staging frequency of 145.19 MHz, the Department of State ARC repeater (W3DOS). It was decided to use local repeaters rather than simplex frequencies so that all of the operators along the route and staging area could hear each other. For the first time in the past couple of years extra operators sign up for the event. With very few no-shows, it was possible to provide a couple of floating operators in the staging area. The floating operators and the parade route were assigned to 147.36 MHz (W3JSM) Alexander Graham Bell Repeater Association repeater. Some intermod problems occurred with the radio used at Net Control. So, the parade and floating operators were moved to a backup frequency of 146.43 MHz simplex.

Public Service Report - Continued

Communications between the starters and the Reviewing Stand took place on 146.49 MHz so that the order of the units could be verified without breaking into the heavy net traffic. Our own administrative communications took place on the Pentagon ARC (K4AF) 444.55 MHz repeater.

The parade started at approximately 1240 hours. As the parade got underway, the floating operators were moved to the parade route and operators, no longer needed at the staging area, were relocated to the parade route, and finally to the dispersal area. There were no major incidents during the parade. The staging net was closed down at 1430 hours with all of the operators moving to the parade frequency. Operations were secured by 1530 hours.

Thanks to the Voice of America ARC for the use of their facilities for net control, The Department of State ARC, The Alexander Graham Bell Repeater Association, The pentagon ARC, and the Northern Virginia FM Association for the use of their repeaters for the event. Also thanks to the following operators for their participation during the event as well as those who assisted in making calls to set up the event but were unable to participate event: KX1B, N4BYF, KB2CEV, N3CLE and XYL, N4CWP, NH6E, N9EBJ, N4ECI, KC4EFJ, WD4EKS, KB4FAS, N3FBN, KK4GB, WA2GIN, N7GVC, N3HFC, KB2HPJ, W3HXF, KC4IGS, N6JWN, KB6KBA, KB4NRU, KA4NVW, N07O, KE4TZ, N4ULS, N4URL, WB4WZZ, KA4YMA, and last but not least Judy, xyl of N4SCK, for taking on some of the less glorious, but necessary tasks.

Virginia Public Service Honor Roll by Steve, WB4ZTR

April 1990 - All Stations Single Operator Status Unless Noted

Call	1	2	3	4	5	6	7	8	9	Total
N4GHI	30	30	12	12	12	29	0	5	0	130
K4MTX	30	30	12	12	12	2	0	0	5	103
WB4KSG	30	30	12	12	12	0	0	5	0	101
WB4ZTR	27	30	6	12	12	3	0	5	5	100
W4JLS	30	30	0	12	12	1	0	5	0	90
W4TZC	30	10	12	0	12	8	0	5	0	77
NW3K	7	30	3	12	12	0	0	5	5	74
N4KSO	30	3	12	0	12	0	0	5	5	67
AA4AT	30	5	12	0	12	1	0	0	5	65
K4VWK	22	19	12	0	12	0	0	0	0	65
WB4ZNB	0	30	0	12	12	0	0	5	5	64
KB4CAU	0	30	0	12	12	6	0	0	0	60
KB2CEV/T	0	27	0	9	0	5	0	0	15	56
WB4UHC	16	13	0	6	12	0	0	5	0	52
KJ4EK	3	28	0	6	0	2	0	0	5	44
K4MLC	28	0	12	0	3	0	0	0	0	43
WD4MIZ	6	0	9	6	12	2	0	0	0	35
WB4PNY	5	10	0	3	12	0	0	5	0	35
N4FNT	0	22	0	12	0	0	0	0	0	34
KB4OPR	0	12	0	6	6	0	5	5	0	34
WA4TVS	0	8	0	12	6	0	0	5	0	31
WA1VRL	0	5	0	0	0	0	0	5	0	10
KB4WT	3	6	0	0	0	1	0	0	0	10

A Public Service Honor Roll certificate is available to those who obtain 60 or more points per month for 12 consecutive months, or for 18 out of 24 months. Contact Steve, WB4ZTR, @ WB4D for additional information.

Public Service Report - Continued

New Two Meter NTS Net by George Stein, NJ3H

At 7:30 pm on 147.300 (+ OFFSET) a daily two meter NTS Net is operational. This net is known as the Northern Virginia Traffic Net (NVTN). This net is replacing the NTS portion of the Shenandoah Valley Emergency Net (SVEN).

Anyone in the coverage area of the 147.300 (WA4TSC) repeater is invited to take part and become a regular in the NVTN. This net will be open to all. Anyone desiring to learn how to handle NTS traffic is encouraged to check-in nightly. For additional information please contact George A. Stein, NJ3H, NVTN Manager at (703) 869-3777 or leave a message for me at NJ3H @ WB4D.VA.

Washington Area Skywarn 1990 by Hank Black, N3ESR

SKYWARN is being reorganized in the Washington and Baltimore areas as well as in the State of Maryland and the Commonwealth of Virginia. On April 18th, area ham and the Northern Virginia Emergency Coordinators met with the National Weather Service (NWS) Washington Forecast Service Office (WFSO) to hear and discuss the latest plans for reorganization of the nationwide network of NWS volunteer observers called SKYWARN.

SKYWARN is an element in the community preparedness program of the NWS and is a part of the U.S. Commerce Department's National Disaster Warning System which alerts people to impending hazards. The NWS WFSO moved from Camp Springs, Maryland to Sterling, Virginia on March 18th of this year. The reason for this move is so the WFSO can be near the future site of the nation's third NWS doppler radar call NEXRAD (NEXT generation RADar). These radars will be replacing the present 1950's equipment with the latest in technology.

NEXRAD will help bring about better detection of severe weather and improved warning to the public. SKYWARN will be an integral part of the detection and warning process. SKYWARN will serve as a fine tuning process for NEXRAD as it helps locate and track potentially severe and dangerous storms.

SKYWARN spotters, as they have in the past, will tell NWS forecasters what a given storm is producing whether it be a tornado, thunderstorm with hail, strong winds and/or heavy rains. With these forward observations from SKYWARN spotters, the forecaster combines this information with the radar products to issue appropriate and very timely warnings for populations in path of the storm.

Radio Amateur operators and repeater owners can help the SKYWARN program in this area by becoming a member or renewing a past affiliation with the SKYWARN network of volunteer spotters. The WFSO will continue to utilize the amateur community and its 2-meter FM repeaters to act as a set of roving eyes for the NWS in watching the sky in dedication to helping save lives.

To register for or receive more information on SKYWARN, call or write Barbara McNaught, Warning and Preparedness Meteorologist, National Weather Service Forecast Office, RD#1, Box 107, Sterling, VA 22107, telephone (703) 260-0107 or contact your local Emergency Coordinator.

(Continued)

Public Service Report - Continued

Bethesda Day Parade

Sunday, May 6th provided the type of weather parade lovers and public service amateur radio operators enjoy. Twelve hams assisted with staging, coordination and parade route communications for Bethesda Government Center personnel.

The parade is staged on the National Institutes of Health (NIH) campus and is routed down Wisconsin Avenue from Jones Bridge Road to Old Georgetown Road, finally dispersing in the area of the Bethesda Metro Center.

Coordinating some 90 units this year was "a piece of cake" according to veteran parade volunteers. "The Montgomery Amateur Radio Club operators did a great job again this year," according to Nancy Greene of the Bethesda Government Center. The NIH Amateur Radio Club provided use of their repeater, K3YGG/R, for the parade net. This was the first time it was used for this parade proving to be very valuable because of its 440 crossband to two meters. Several areas in downtown Bethesda do not allow for two-meter handheld coverage in and among the tall buildings. 440 Handhelds get around that problem.

Thanks to Montgomery Fire and Rescue Services who provided a bus for Net Control operations and pre- and post-parade briefings, and to the NIH Amateur Radio Club for the use of their repeater.

Ham radio volunteers participating were Bob N4SCK and his wife Judy, Tom KA3GJZ, Howard WB3KHQ, Andy KV3S, Howard KD3LP, Norm W1HGI, Bob NT3H, Bill NG3K, Charlie WA3HNN, Jim WA2GIN, Jamie KA3VSI/KT, and Hank N3ESR.

A list of Emergency Coordinators and Emergency Nets is shown on pages 54 - 55.

□ □ □

Ham of the Month Criteria

Following are guidelines for nominations for FAR HAM OF THE MONTH.

QUALIFICATIONS: ANY licensed Amateur in the local area who has contributed significantly to the Amateur service and/or its image in the community.

REQUIRED INFORMATION: 1. Name, call and address of nominee.
2. Description of the contributions which have been made by the nominee.
3. Name, call and phone number of person making the nomination.

NOMINATION FORMAT: Nomination in narrative form is preferred. Please be sure the material is factual. We would like to keep the finished article to no more than one page (about 1800 words), but you may write as much as you need to do a good job of "selling" your candidate. Any necessary editing can be done later by the committee. In most cases the committee will be in touch with the person who submits the nomination before publication is made.

AWARD PRESENTATION: Whenever possible, Ham of the Month awards will be presented by a FAR representative at a local club meeting or special activity.

There are over 50 clubs within the Foundation and there must be many "special" people deserving of recognition. Send in your nominations any time throughout the year. Development of the award process will be based on the volume and quality of activity.

FOUNDATION FOR AMATEUR RADIO
Volunteer Examiner Cooperative

Nancy Draheim - NK4U
3513 Old Post Road, Fairfax, VA 22030
(703) 691-0078

SCHEDULE OF EXAMINATIONS
1990

IMPORTANT NOTE: If you now have a Technician class license which was acquired prior to March 21, 1987, have a copy of it available when you decide to upgrade.

EXAMS

May 26 Laurel ARC (Laurel, MD) (Laurel VEC)
Contact: John Creel, WB3GXW (301) 572-5124

June 2 John Tyler Community College (Richmond, VA) (W5YI VEC) Walk-in
Contact: Albert Bailey, N4RPI (804) 233-6461 or
Phil Giella, KC4DSF (804) 561-3020

Virginia Beach ARC (Virginia Beach, VA) (ARRL VEC)
Contact: Tom Weikel, KA4UNC (804) 340-7697

June 9 Rappahannock ARA (Tappahannock, VA) (ARRL VEC)
Contact: Tom Weikel - KA4UNC (804) 340-7697

June 16 Ole Virginia Hams (Manassas, VA) (ARRL VEC) Walk-in
Contact: Harry Vorhauer, W4PVA (703) 368-6050

June 23 Laurel ARC (Laurel, MD) (Laurel VEC)
Contact: John Creel, WB3GXW (301) 572-5124

July 7 John Tyler Community College (Richmond, VA) (W5YI VEC) Walk-in
Contact: Albert Bailey, N4RPI (804) 233-6461 or
Phil Giella, KC4DSF (804) 561-3020

GWU/Dept of State (Washington, DC) (ARRL VEC) Walk-in
Contact: Derrill Rohlfs, W3WOX (301) 423-0179

July 13 Pentagon ARC (Pentagon Bldg) (W5YI VEC) Escort required
Contact: David Boyd (703) 659-6241

July 14 PROS (Salisbury, MD) (Laurel VEC) Walk-in
Contact: John Rupprecht, K3NOQ (301) 749-7444

Chesapeake DX Assn. (Chesapeake, VA) (W5YI VEC)
Contact: Bill Verebely, KC4YX (804) 424-4764

Maryland Mobileers ARC (Laurel VEC) Pre-registration requested
Contact: Nancy or Dean Alley, NT3Z/NS3V (301) 761-7115

July 22 Antietam Radio Assn ARC (Hagerstown, MD) (ARRL VEC)
Contact: Ken Picone, KC3TT (301) 824-3519

Volunteer Examiner Cooperative - Continued

July 27 Stafford Area Repeater Assoc. (Stafford, VA) (W5YI VEC) Walk-in
Contact: David Boyd (703) 659-6241

July 28 Laurel ARC (Laurel, MD) (Laurel VEC)
Contact: John Creel, WB3GXW (301) 749-7444

Aug 4 John Tyler Community College (Richmond, VA) (W5YI VEC) Walk-in
Contact: Albert Bailey, N4RPI (804) 233-6461 or
Phil Giella, KC4DSF (804) 561-3020

Berryville Hamfest (Berryville, VA) (ARRL VEC)
Contact: Walt Quitter, NC4B (703) 869-5241

Aug 11 Hampton Roads Radio Assn. (Hampton, VA) (W5YI VEC)
Contact: Bill Runyon, N4BDH (804) 487-8611

Massanutten ARA (Harrisonburg, VA) (ARRL VEC)
Contact: Wayne Miller (703) 434-4424

Aug 25 Laurel ARC (Laurel, MD) (Laurel VEC)
Contact: John Creel, WB3GXW (301) 572-5124

Sept 1 John Tyler Community College (Richmond, VA) (W5YI VEC) Walk-in
Contact: Albert Bailey, N4RPI (804) 233-6461 or

Sept 8 Montgomery College (Germantown, MD) (ARRL VEC)
Contact: John Muller, W3QF (301) 564-0178

Maryland Mobileers ARC (LARC VEC) Pre-registration requested
Contact: Nancy or Dean Alley, NT3Z/NS3V (301) 761-7115
Phil Giella, KC4DSF (804) 561-3020

Sept 16 ARRL Roanoke Division Convntion (Virginia Beach, VA) (ARRL VEC)
Contact: Ed Brummer, W4RTZ (804) 898-8031

While most examinations are offered on a walk-in basis,
pre-registration is desirable in all cases.

Certificates of successful completion for theory tests
are not always accepted. Check with the contact person
for the examination you wish to take.

If you are upgrading from Technician class license acquired prior to March 21, 1987
a copy of your license may be required as proof that you are grandfathered
for Element 3B (General theory)

NOTE: All examinations require that you submit:
Copy of your current Amateur Radio license (bring original)
Completed FCC Form 610.

Check for appropriate examination fee.*

Maximum fee has been raised to \$4.95.

Fees of individual VEC may vary.

ARRL Exam fee is \$4.95

W5YI Exam fee is \$4.95

Laurel Exams are still free.

Mountain VEC Novice Exams free

All other Mountain VEC Exams \$2.00

This schedule of examinations appears each month in Auto-Call Magazine
Sponsored by the Foundation for Amateur Radio

SRAM-018

(Soviet Radio Amateur Movement)

Dexter Anderson, W4KM

[Rough, summary translation from Soviet Amateur Press]

[Comments by translator are in square brackets]

[from February 1990 issue of RADIO magazine]

"FOR YOU, RADIO AMATEURS"

DOSAAF enterprises will make 700 "Lavina" radiostations, 700 "Yunost'-M" transceivers, about 500 "Efir-M" transceivers, 240 "Volna" transceivers, an unspecified number of ultrashortwave "Luch" transceivers, "Tissa" 10m-to-2m transverters, and ShPU-200 broadband shortwave amplifiers.

Other enterprises plan to make 1000 transceiver kits costing 480 rubles (380 rubles for a simplified version) each, an ultrashortwave "Globus" transverter for 29 and 144 MHz, 9-element 144 MHz and 15-element 430 MHz antennas (25 and 27 rubles), and receivers for observers (SWLs) operating on all amateur bands (250 - 300 rubles).

Cooperatives plan to make sport radiodirectionfinding equipment, Morse-code generators, electronic keyers, transceivers, 144 MHz microbeacons, and automatic 3.5 MHz "foxhunter" transmitters.

"POBEDA" ["VICTORY"] MEMORIAL

To commemorate the victory of the Soviet people in the Great Patriotic War¹, the Federation of Radio Sport of the USSR, the Central Radio Club of the USSR Named After E. T. Krenkel', and "Radio" magazine will conduct the "Pobeda" ["Victory"] memorial event 1 through 9 May 1990. Shortwavers from all countries are invited to participate.

UK3A, UK3F, and UK3R will open the memorial at 1500 MSK² on 1 May, operating simultaneously on 7055 kHz and 14130 kHz. Beginning at 1530 MSK, memorial stations will go on the air with special prefixes -- ER (capitals of union republics), EN (hero cities), EV (capitals of autonomous republics), EO (cities awarded orders for their contribution to victory), and EM (centers of the partisan movement). The memorial will end at 2400 MSK 9 May. The memorial stations will also operate in the international "Mirus -- mir"³ competitions [the "CQ-M" Contest].

¹In Soviet/Russian usage, the "Great Patriotic War" refers to the portion of World War II during which the USSR was at war against Germany -- 22 June 1941 to 9 May 1945 -- and Japan -- 9 August 1945 to 2 September 1945.

²1100 GMT. The abbreviation MSK (Moscow Time) is used for both "winter" and "summer" time. "Winter" MSK (late September to late March) = GMT + 3. "Summer" MSK (late March to late September) = GMT + 4.

³"Mirus -- mir" literally means "To the world peace." "Mir" is a masculine noun meaning both "world" and "peace." In the dative case, "mir" becomes "miru."

SRAM-018 - Continued

"IN THE FEDERATION OF RADIO SPORT OF THE USSR."

Effective 1 January 1990, Soviet shortwavers are permitted secondary use of the 18 and 24 MHz bands. Recommendations on a secondary allocation to radio amateurs of the 18 and 24 MHz bands and also the 10 MHz band were adopted by the World Administrative Radio Conference in 1979, and for this reason they are usually called "WARC bands" in amateur literature. Secondary status means that shortwavers must not create interference to other services using these bands.

Allocations within the new amateur radio bands is as follows:

18.068 - 18.168 MHz - CW;	24.89 - 24.99 MHz - CW;
18.1 - 18.11 MHz - RTTY;	24.92 - 24.93 MHz - RTTY;
18.11 - 18.168 MHz - SSB;	24.93 - 24.99 MHz - SSB.

First-category stations may use all permitted modes of operation (output power 200 Watts); second-category stations may use CW only (50 Watts).

Effective 1 January [1990 assumed], the allocation of subbands by mode of operation on 1.8 MHz was changed as follows:

1.83 - 1.93 - CW; 1.84 - 1.93 - SSB; 1.9 - 1.93 - AM.

Now Soviet shortwavers have the possibility of using the so-called "European DX window" -- the segment 1.84 - 1.85 MHz.

ADDRESSES OF QSL-BUREAUS

[Continuation from last issue]

KAREL'SKAYA ASSR

(No. 088, 1N)

DOSAAF Radio Technical School, 28-A Pravda St., 185640 PETROZAVODSK (services the entire ASSR);

P. O. Box 225, 185034 PETROZAVODSK (services members of the DX Club "Kivach");

P. O. Box 4, 186504 BELOMORSK (Karel'skaya ASSR) (services the town of Belomorsk);

P. O. Box 73, 186600 KEM' (Karel'skaya ASSR) (services the town of Kem');

P. O. Box 50, 186989 KOSTOMUKSHA (Karel'skaya ASSR) (services the town of Kostomuksha);

P. O. Box 60, 186300 MEDVEZH'YEGORSK (Karel'skaya ASSR) (services the town of Medvezh'yegorsk);

P. O. Box 1, 186810 PITKYARANTA (Karel'skaya ASSR) (services the town of Pitkyaranta);

P. O. Box 16, 186750 SORTAVALA (Karel'skaya ASSR) (services the town of Sortavala);

36 Lenin St., Apt. 14, 186870 SUOYARVI (services the town of Suoyarvi).

ARKHANGEL'SKAYA OBLAST'

(NOT INCLUDING THE NENETSKIY AUTONOMOUS DISTRICT)

(No. 113, 1O)

Oblast' QSL Bureau, DOSAAF Radio Technical School, 40 Voronin St., 163057 ARKHANGEL'SK (services the entire oblast' [including the Nenetskiy Autonomous District]);

P. O. Box 142, 165651 KORYAZHMA (Arkhangel'skaya Oblast') (services the town of Koryazhma);

P. O. Box 30, 164670 LESHUKONSKOYE (Arkhangel'skaya Oblast') (services the town of Leshukonskoye);

P. O. Box 55, 164500 SEVERODVINSK (services the town of Severodvinsk).

SRAM-018 - Continued

NENETSKIY AVTONOMNYY OKRUG [NENETSKIY AUTONOMOUS DISTRICT] (No. 114, 1P)

Oblast' QSL Bureau, DOSAAF Radio Technical School, 40 Voronin St., 163057 ARKHANGEL'SK (services the entire oblast' including the Nenetskiy Autonomous District);

P. O. Box 21, 164700 NAR'YAN-MAR (services the town of Nar'yan-Mar);

UZ1PWA, P. O. Box 73, 164744 AMDERMA (Arkhangel'skaya Oblast') (services the urban-type settlement of Anderma).

QSL VIA...

QSL cards for UA 1OLIL [sic - possibly UA1OLL] (Franz Josef Land) go to UA9MA⁴ at P. O. Box 341, 644099 OMSK.

"HOW TO TRANSMIT YOUR HOME ADDRESS CORRECTLY OVER THE AIR" by G. Chliyants, YU5XE, Master of Sport, L'vov

In 1988, Soviet shortwavers got permission to give out their home addresses (PO boxes) over the air. Some use this as a way to get IRCs. Operators, especially beginners, are often heard demanding (!) a direct QSL and 2 IRCs. Letters are coming to the FRS, to the CRC, and to individual radio amateurs, expressing surprise over such behavior. Here's some advice:

- Give your address only when asked to do so by the other operator, or after he has given you his.
- Avoid giving your address when working DX stations and expeditions; your information won't be noted in the log anyhow.
- Don't ask for IRCs, much less for a specific number of them; that's up to the other station. If there are no enclosures in the envelope sent to you, send your QSL via the bureau; if one IRC is enclosed, send your QSL by direct surface mail; if two IRCs are enclosed, send your QSL by direct air mail.

[from March 1990 issue of RADIO magazine]

"FOR YOU, RADIO AMATEURS"

As of 1 November 1989, there were in the USSR 53,681 amateur stations, of which 5668 were collective stations. Compared to the beginning of 1989, the total number of stations grew by 1105 and that of collective stations by 135.⁵

⁴Gennadiy I. Kolmakov, UA9MA/ex-UA9MAF, his wife Ol'ga Kolmakova, and Sergey Kruglov, UA9MC/ex-UA9MAC, all from Omsk in Western Siberia, visited the USA, including the Washington DC area, in October and November of 1989.

⁵These figures suggest the following station counts:

	Individual Stations	Collective Stations	Total
On or about 1 January 1989:	47043	5533	52576
Increase, Jan. - Oct. 1989:	+970	+135	+1105
1 November 1989:	48013	5668	53681

SRAM-018 - Continued

"IS INITIATIVE PUNISHABLE?"

from Leonid Mikhaylovich Labutin [UA3CR/AB4LZ]
[letter appearing in PRAVDA of 2 March 1990 p 8]

Dear Editors!

All of my life has been devoted to radiocommunication. Fifty-two years separate the detector receiver I assembled as a ten-year-old boy in 1939, from the radioamateur satellite equipment my colleagues and I build today.

I've taken first place in shortwave radiocommunication championships of the USSR six times. I'm a Master of Sport and a meritorious communicator of the RSFSR. Books and articles have been written about me. I'm proud of my awards for providing radio services during arctic expeditions. But my main awards are the hundreds of thousands of radio contacts with people from various countries that I've made during 40 years on the air.

Why am I writing to Pravda? Because in April 1989 the Federation of Radio Sport of the USSR took away my right to operate on the air "for actions reflecting poorly on the Soviet shortwaver."

Just what happened? As a result of the tragic earthquake in Armenia [7 December 1988], communications there were paralysed. The staff of the Central Committee of the Komsomol, organized for extending assistance, called me in to work as a specialist and as a radio amateur. During these same days the Federation of Radio Sport of the USSR and the Central Committee of DOSAAF received many offers to assist with equipment and specialists. Two amateur radio organizations in the USA, not having received answers from officials of the Federation, addressed themselves directly to radio amateurs, including myself. After coordinating the answer with the staff of the Komsomol Central Committee, we advised the Americans that we were prepared to receive assistance. The composition of the first batch of equipment was determined by the Americans and that of the second batch mutually. On our minds was the fact that the Central Committee of the Armenian Komsomol had begun to design the "Search" system [apparently a welfare-whereabouts system] based on modern computer equipment. All matters concerning the transfer of equipment to the "Search" service were decided by official workers of the Komsomol Central Committee staff and were coordinated with the Council of Ministers of the Armenian SSR.

Note that the work did not take place within the framework of DOSAAF, although radiosport, as a technical form of sport, is subordinated to DOSAAF. Evidently, this caused officials of the DOSAAF Central Committee and of the Federation of Radio Sport to be jealous toward me. The Chairman of the Short Wave Committee of the Federation, K. Khachaturov [UW3AA], in radiograms sent over the air to the USA, accused me of concealing equipment sent to the USSR. The words "grabezh" [robbery] and "maroderstvo" [marauding] were used on the air. These same accusations were made against me on the pages of "Radio" [magazine] and at a session of the Presidium of the Federation of Radio Sport of the USSR. The responsible official of the DOSAAF Central Committee, Colonel V. Pavlov, called my action "worse than marauding" and suggested I be "severely punished and removed from all amateur radio affairs."

How paradoxical! No proof of my "guilt" exists. No one has taken me to court. But a social organization took action against a person who showed "excessive" independence.

A year and a half ago I passed a fairly complicated exam (200 questions) and was the first Soviet shortwaver to receive the top class of American callsign, giving me the right to operate on the air from the territory of the USA for life. Only a governmental establishment of the USA has the right to take away my American callsign and then only in the event that I violate on-the-air operating rules.

(Continued)

SRAM-018 - Continued

In America there is no DOSAAF instruction containing an article on taking away the right to operate on the air "for actions reflecting poorly on the worthiness of Soviet radio amateurs." Interpret that [??] -- Traktuy] as you will.

Three times I addressed protests to the Chairman of the Central Committee of DOSAAF, General-Lieutenant N. Kotlovsev, and asked him to intervene in the lawlessness that had been perpetrated. Each time in reply he finished by saying that the decision was made by a social organization and not by the Central Committee. But my main accusers were DOSAAF workers, no one else.

In reply to S. Matveyev, a radio amateur from Arkhangel'sk who expressed doubt about my guilt, the Chief of Administration of the Central Committee of the Defense Society, Vice Admiral A. Vinnik, stated "the FRS of the USSR examined this matter and punished the guilty party. At the present time the equipment is in Armenia." As though the equipment got to Armenia thanks only to the intervention of DOSAAF. This is absolutely absurd!

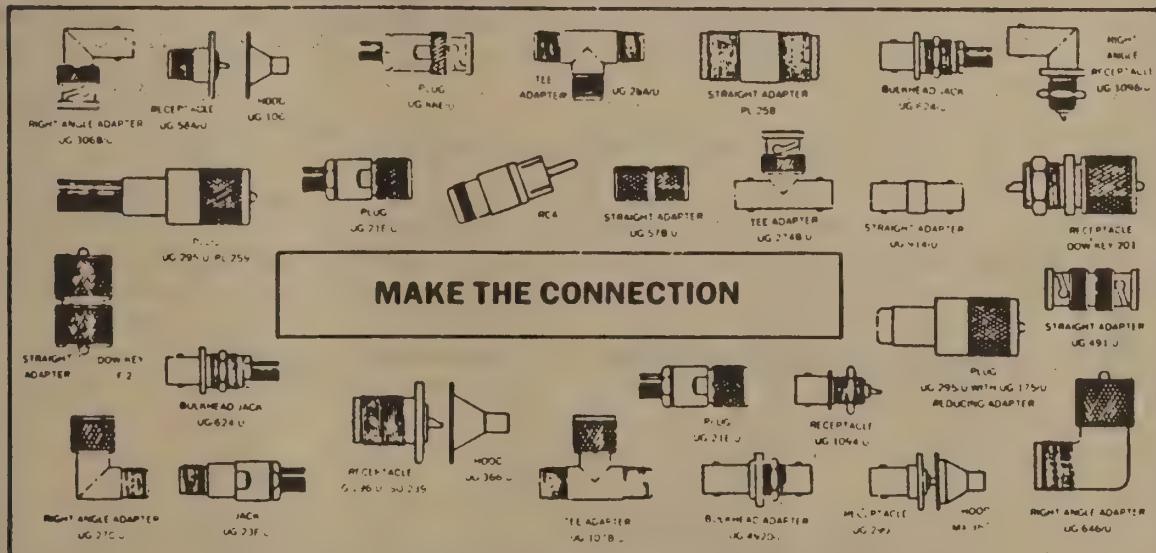
The equipment has in fact been in Armenia for a long time, but neither the Federation nor DOSAAF had anything to do with getting it there. It operates in the system of the Armenian Republic computer information center "Poisk" ["Search"] and serves the noble purpose of reestablishing contact between people who have lost touch with one another. The central newspapers recently wrote about this system.

The workers of the DOSAAF Central Committee and of the Federation of Radio Sport, which is subservient to DOSAAF, have blamed their inactivity on a single person.

□ □ □

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Have Bug - Will Travel

Howard Johnson - W4IIG

The summer of 1982 was spent on the North Atlantic, aboard a very old (by present day standards) cargo vessel, which had been converted from traditional break-bulk configuration to a crude form of "containership". Whilst the "forest" of cargo handlings masts, booms, wire rope and other impedimenta was gone, many of the now-useless deck fixtures remained. The radio shack was literally a museum of obsolete/obsolescent gear and operationally just barely adequate, as time would disclose...

The SS AMERICAN ARGOSY/KFCX had been constructed at Pascagoula, MS in 1953 and converted in 1970. Long past her prime, she was strictly a stop-gap measure, to be used until new construction became available. Consequently, the absolute minimum of maintenance was accomplished and the vessel was quickly deteriorating. 662 feet long, 15,864 tons (Gross), she was just 76 feet wide which drastically reduced her container capacity. The old and well-worn Westinghouse steam turbine and Foster-Wheeler boilers had, at one time, provided a reliable 17,500 horsepower to the shaft and single screw - but that had been "long-long ago"; she could probably be called upon to deliver 13-14,000HP when and if the boilers held up and did not spring an inordinate number of leaks...

An old (1940's vintage) RCA radiotelegraph console had been extensively modified down through the years and just barely met the FCC minimum requirements. As for communications and navigation equipment, there were only three - rpt - three items of current vintage: the 3 and 10 cm Raytheon radars and the satellite navigation receiver/computer. Well, enough of that...

Cargo aboard, we took departure from Ambrose Light Structure in New York's outer harbor early on the evening of 20 May, bound for Jacksonville; thence via Charleston and Savannah to Rotterdam. Our stay in Jax was very short, less than

12 hours from the time we picked up the Pilot until we dropped him and took departure! Contrast that to the days - or weeks - that a merchant vessel stayed in each port just 40 or so years ago. A short 11 hour sea voyage brought us to Charleston - total time from arrival at the river's mouth to departure: again, less than 13 hours... Charleston to Savannah - the sea voyage was just under seven hours. Finally outbound for Rotterdam, we skirted Cape Hatteras on our way to a point Southeast of Cape Race, Newfoundland, where the Southward flow of the Labrador Current meets the Gulf Stream - creating an area very dangerous to navigation, with dense fog and ice in the form of immense bergs. The sea-water intake temperature dropped 23 degrees in four hours as we entered this area.

On the 29th we sighted an immense 'berg at 47.12 degrees North Latitude and 47.33 degrees West Longitude, along with a number of "Growlers" and smaller pieces. The insidious situation is that under certain conditions, even the big 'bergs provide a very poor radar return... The RMS TITANIC/MGY struck a large one at 41.46N, 50.14W in May 1912 and sank within a few hours. Even with the best of modern aids to navigation, these remain dangerous waters indeed. Another factor is the presence of "freak" waves - literally "holes in the ocean" - in this general area, where the continental shelf and the gulf stream meet. In January 1977 the 19,000 ton Panamanian tanker GRAND ZENITH was lost here with all hands. Since she was fully loaded, an explosion was very unlikely. She had reported being in heavy weather, making slow speed through very rough seas - then no further word. She very likely was "driven under" and sunk within less than a minute.

The remainder of the first outbound voyage was without incident, and we picked up a Rotterdam harbor pilot off Brixham (Tor Bay) England - but no

Have Bug - Will Travel - Continued

North Sea pilot. Unusual, as most shipping companies - as a matter of course - engage a pilot whenever one of their vessels is in the Channel or in North Sea waters... Again, cost cutting and gambling that "all will go well".

Leaving R'dam, we made a quick run to Felixstowe, England - where time, it seemed, had retrograded seventy or more years - as one of our tugs was the beautiful triple-expansion steam propelled **GANGES** of Harwich, a true museum piece! Copper and brass, smelling of coal-smoke, steam and lube oil - perfume to any salt's nose! She was immaculately clean, with glistening paint, and one could plainly see she was maintained and operated with great pride! Contrast that to some of the filthy tugs and work boats in other parts of the world - the U.S. included... While in the area, I was reminded that, during the 1914-1918 war, Felixstowe was a base for Royal Naval Air Service flying boats. The "Felixstowe" F2A type was a hybrid - with a wooden boat-like hull designed by Captain Porte and wings/tail assembly from the Glenn Curtiss designed H-4 aircraft. Further

more, this area had been the a base for the famous "Harwich Force", a fighting arm of the RN kept busy with "hit and run" raids during that entire four year period. Historical? Yes, an absolute treasure-trove for those interested in such!

The Westward passage to Boston was uneventful, except for numerous aborted tries at setting up a radiotelephone circuit with British, Dutch and American coast stations! The shipboard receivers were so decrepit and unstable it was an absolute impossibility to receive singlesideband! The captain empathized with me, saying "Don't worry about it sparks, the company will not put any new communications equipment aboard." Then, having done all that was possible with the installed gear, I broke out my little Sony ICF-2001 and used it to establish a first class commercial quality circuit. Calling the captain, he was absolutely amazed. For the next few months, he had no further trouble calling and speaking with the office in New York and Spark's "could do no wrong"! So ended voyage number one. More later.

-30-

Fees for Commercial Radio Operator Licenses

For those who may have been inspired by "Have Bug" and are thinking about going back to sea, the FCC has just announced that the next scheduled radio operator examinations will be held on August 6 through 10. Application cutoff date for these examinations is July 10. Applications should be mailed as soon as possible.

The Public Notice also announced that, effective 21 May 1990, fees are being charged for commercial radio operator licenses and for ship inspections. For further information about radio operator licensing, contact Gabriel Collazo at (202) 632-7240 or Marlene Jackson at (301) 962-2728(9).

An information bulletin, Bulletin FO-21, provides important instructions that must be followed by all commercial radio operator applicants. For general information about all fees, call the FEE HOTLINE at (202) 632-FEES.

From FCC Public Notice 2827
Dated 23 April 1990

ARRL NATIONAL CONVENTION

June 8 - 10 ☺ Kansas City, MO



THE
KANSAS CITY TROLLEY

to rock and roll. Kansas City was originally called Westport, and the Westport area is still alive and well, with entertainment and fine cuisine.

The Kansas City Trolley can transport you to many places of interest, including Westport, Crown Center, Country Club Plaza and Downtown Kansas City. The Allis Plaza Hotel and the Americana Hotel are both stops on the trolley route.

In short, there is something for everyone here in Kansas City, so come one, come all, and let us entertain you! Kansas City extends its hospitality and bids you welcome!

The 1990 ARRL National Convention will be held in Kansas City, Missouri, June 8-10th. Location is Bartle Hall in the Kansas City Convention Center, 13th and Central, Exit US I-35 and Broadway.

Move in: Commercial 10-8 Friday, Swappers 2-8 Friday. Both may drive in and unload on Friday only. Saturday dock is available to unload. No vehicles in Convention Center till closing on Sunday. 200 Commercial Booths and over 500 swap tables (2½' by 8') are available.

Open hours 9-5:30 on Saturday and 9-4 on Sunday. Information and Hospitality Room open 1-8 on Friday, 7-6 on Saturday and 8-3 on Sunday. Talk-in 146.34/94 Repeater. Emergency phone number for Friday, Saturday and Sunday only is 816-591-8756.

The convention talk-in frequency will be 146.34/94 MHz. There will be features on every aspect of Amateur Radio:

FRIDAY

0:00 a.m. Exhibit Hall opens for Commercial Exhibitors.

1:00 p.m. The hospitality room and the information booth at the convention center (Bartle Hall) will open. Come have an 'eye-ball' with friends!

2:00 p.m. Open for Swap Table Exhibitors

8:00 p.m. Convention center closes for the evening. Relax and unwind. Get ready for the Saturday rush!

SATURDAY

7:00 a.m. ARRL Buffet Breakfast and Forum at the Americana Hotel.

7:30 a.m. Exhibit Hall opens for Exhibitors only.

Information booth opens.

9:00 a.m. Exhibit Hall opens to all.

5:30 p.m. Exhibit Hall closes.

6:30 p.m. Attitude adjustment time at the Allis Plaza Hotel.

7:15 p.m. Banquet at the Allis Plaza Hotel Begins. Speaker Mr. Dave Bell, W6AQ, subject "THE KING AND I"; The Young Ham of the Year Award; Menu "Kansas City Strip" and all the trimmings.

MIDNIGHT! WOUFF HONG CEREMONY!

SUNDAY

7:00 a.m. DX Buffet Breakfast at the Americana Hotel.

8:00 a.m. Exhibit Hall opens for Exhibitors only.

9:00 a.m. Exhibit Hall opens to all.

4:00 p.m. Convention closes. We enjoyed your company, have a safe trip home.

PROGRAMS AND FORUMS

ARRL Field Forum, ARRL Leadership Officials (LO) meeting, ARRL Emergency Communications, ARRL Instructors Workshop, ARRL License Manual Questions and Answers, YLRL, Antenna Fundamentals, Antenna Height and its Effect on Communication, DX, DXing on the Top Band (160 Meters), ARRL Contest Forum, Radiation and Its Affect on Amateurs, Land Use Regulations for Federally Licensed Communications Facilities, Joint MARS, AMSAT, National Weather Service, ARES, QRP, 220 MHz, Lightning Protection, FCC, QCWA, ARRL Amateur License Examinations, The Royal Order of the Wouff Hong, and others.

The 1990 ARRL Convention will be hosted by the PHD Amateur Radio Association. This grand event will be held in the convention center located at 13th and Central, right in the heart of beautiful downtown Kansas City. This promises to be the largest ham convention ever held in the Kansas City area, with over 200 commercial exhibitors, an arena of over 500 swap tables, and it is all air conditioned. If you can't find what you want here, it may not be possible to find it anywhere!

Kansas City is a city of great beauty and rich heritage. There are many wonderful things to see and do. The Harry S. Truman Museum is available as a tour. The largest living land mammal in North America resides at the superb Kansas City Zoo. The Thoroughbred Horse Racing season opens May 24, 1990, and should be in full gallop by the weekend of the convention. Of course you have heard of the KC Strip, one of the most famous steaks in the world. There are restaurants to satisfy the most critical palette, no matter how delicate or particular. Kansas City has so many fine eating establishments that I could take up the entire page and not list them all! Huge shopping centers abound within easy commuting distance of the convention center. The Hallmark Visitors Center is just down the street at Crown Center. The Plaza contains the first shopping mall in America. There is music of all types, from jazz to classical

to rock and roll. Kansas City was originally called Westport, and the Westport area is still alive and well, with entertainment and fine cuisine.

The Kansas City Trolley can transport you to many places of interest, including Westport, Crown Center, Country Club Plaza and Downtown Kansas City. The Allis Plaza Hotel and the Americana Hotel are both stops on the trolley route.

In short, there is something for everyone here in Kansas City, so come one, come all, and let us entertain you! Kansas City extends its hospitality and bids you welcome!

A program will be available at the information booth to describe the various forums and presentations.

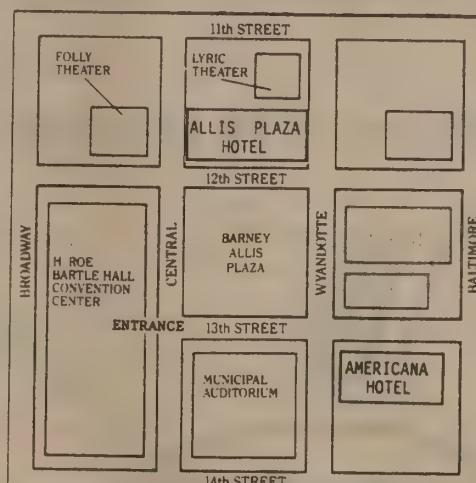
Excellent speakers will be at the convention. Several ARRL Officials will be there, including Rick Palm, K1CE, ARRL Manager of Field Services; Steve Ewald, WA4CMS, QST Section News Editor; Rosalie White, WA1STO, ARRL Education Activities Coordinator; Larry Wolfgang, WA3VIL, ARRL Senior Assistant Technical Editor; Gerald L. Hall, K1TD, QST Associate Editor; Ellen White, W1YL, QST DX Editor; Rick Roderick, K5UR, ARRL DX Advisory Chairman; Dr. Wayne Overbeck, N6NB, ARRL Southwest Vice Director; Tom Frenaye, K1KI, ARRL New England Director; George Wilson, W4OYI, ARRL Vice President; Marshall Quiat, AG6X, ARRL Rocky Mountain Director; Christopher D. Imlay, N3AKD, ARRL Counsel; Paul Grauer, W0FIR, Midwest ARRL Director; John Kanode, N4MM, Roanoke ARRL Director.

Other prominent speakers include Doug Loughmiller, K051, President, AMSAT; Jim McKim, W0CY, AMSAT; Rick Barnett, KB0U, Kansas City DX Club; Bill Pasternak, WA6ITF, Newsline; Henry Feinberg, K2SSQ, "Mr. Wizard"; David Goldenbaum, NASA; Carole Perry, WB2MGP; Loraine McCarthy, N6CIO; Art Reis, K9XI, 220 Notes; Chod Harris, VP2ML, DX World.

For those not as thrilled with this aspect of Amateur Radio (Radio Widows, Widowers and Orphans), there will be a tour of the Harry S. Truman Museum at 9:30 a.m. Saturday, or you could take the Trolley and go to many fine places for visiting, shopping or amusement. You can get on and off the trolley three times with one \$3.00 ticket.

The YL Hospitality room will be open Saturday and Sunday. Kay Carter, WA5DYC, Alternate Activity Chairman, will have a full schedule of activities in the YL rooms.

By W.K. Hulse, W5NI, PHD ARA.



HOTELS

Allis Plaza (Headquarters Hotel), 200 West 12th, Kansas City, MO 64105. \$60.00 per room. 1-800-548-4782.

Americana, 1301 Wyandotte, Kansas City, MO 64105. \$45.00 per room. 1-800-325-9149 MO 1-800-892-7162.

MENTION ARRL FOR RATE

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Congratulations to:

Jon Binstock - N3FKX on an excellent presentation as a Panel Member at the Dayton Hamvention Forum on Youth in Amateur Radio. Jon's talk was very well received.

Clayton ("Rip") Merrell - W4FX of Anderson, SC on his selection as winner of the 1989 Roanoke Division ARRL Service Award. Rip has been especially active in emergency preparedness and communication. He is also an accredited VE and is ARRL HF Awards Manager. Other interests include DX and antennas. Rip has contributed greatly to Amateur Radio over many years and is most deserving of this award.

Silent Keys

Adm. Lawson P. ("Red") Ramage - KB3DE died of cancer April 15 at his home in Bethesda. He was 81. "Red" was well known in the Amateur Radio community and regularly attended the "Old Timers Banquets" in the Washington area. He was particularly active in AFCIA.

As a WW-II submarine commander, Ramage won the Medal of Honor and two Navy Crosses, the Navy's highest award for gallantry. He also received two Distinguished Service Medals, a Silver Star and a Bronze Star in recognition of outstanding achievements during 43 years of service in the Navy. On his first sea command, on the submarine Trout, he directed war patrols in the Pacific from August 1942 to February 1943. As Commander of the submarine Parche in 1943, he penetrated a screen of a heavily escorted enemy convoy and fired 19 torpedoes - with 15 hitting enemy targets. At one point, with "terrific shell-fire passing close overhead," he sent his men below but he remained on the bridge of the submarine. He avoided being rammed by an onrushing enemy transport by less than 50 feet and then sank the ship with four torpedoes. In 1947 he was assigned to Washington as a guided missile specialist in the office of the assistant chief of naval operations. Other assignments included special assistant to the chief of naval operations (under Adm. Arleigh Burke) and as deputy commander in chief of the Pacific Fleet. His final assignment, before his retirement in 1970, was as commander of the Military Sea Transportation Service. He is survived by his wife Barbara of Bethesda and four children.

(Submitted by W3ABC and W4PSJ)

Donald S. Parris - W4NSP died April 21 at the age of 82. Don was particularly active in the Military Affiliate Radio System (MARS) for over 25 years and handled the MARS RTTY Sunday net for a number of years. He also worked the Central Net and U.S. Net regularly. He was also very active in church groups. Don joined the Commerce Department in the 1930s and retired in 1965 as director of the scientific and technical equipment office in the department's Business and Defense Services Administration. He represented the government at several international conferences. He is survived by his wife, Hazel, and one son, Donald, Jr.

(Submitted by W4MIB and Hugh Turnbull, W3ABC)

Robert E. True - W3QD died April 7 after a heart attack. He was 70 years old. True was an electronics engineer for the National Security Agency for about 35 years before retiring in 1980. During World War II, he served with the Army Air Forces in the China-Burma-India theater. He is survived by his wife, Shirley, of Adelphi, Maryland.

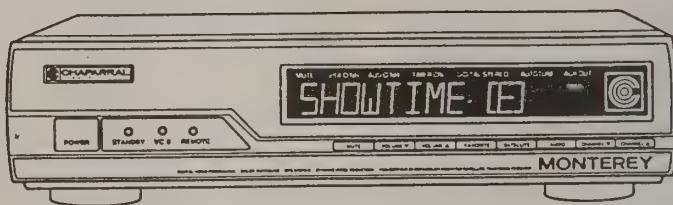
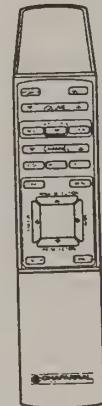
(Submitted by Hugh Turnbull, W3ABC)

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The Monterey Satellite Receiver from Chaparral with its Picture-in-Picture capability and Audio/Video Switcher, lets you tune in one satellite channel, and any other video source at the same time, so you won't miss the BIG play.

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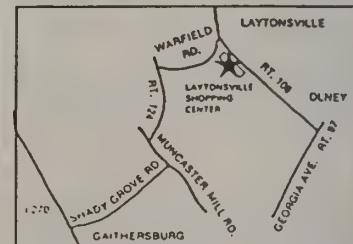
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Ham of the Month

Walter A. Ramsey - AK3B

Walt Ramsey entered Amateur Radio as a Novice in 1979 with the call of KA3TCZ, followed within two months by an Extra Class ticket - AK3B. Thus began a decade of outstanding contributions to the Amateur Service.

Shortly after being elected Secretary of the Rock Creek Amateur Radio Association in 1980 Walt saw the club's need for a more central, monthly meeting place. Accordingly, he obtained permission from the Vitro Corporation to hold the meetings in the main conference room of Vitro's building complex in the Aspen Hill area. The first meeting in these newly found quarters, in April 1981, coincided with Walt's presiding at the meetings and started his two consecutive terms as club President (1981-1983).

Also in 1981, Walt assisted the club in expanding its Field Day program by donating, and ever since maintaining and storing, a 3-kW 7.5-hp gasoline powered generator. He also negotiates the yearly lease and handles much of the required paper work for Field Day. That same year he fostered a 10-meter net to support use of the band and to provide a net for Amateurs without 2-meter gear.

Walt has also encouraged the "intercommunication" of FCC's §97.3(4) through his continuing use of the club's Alumni HF and 2-meter nets, and the persuasion of the Leisure World Radio Club to create a net using the Rock Creek Amateur Radio Association's repeater, W3RCN/R. In 1981 he started teaching classes for the upgrading of operator licenses. Some of these classes were held at his QTH when the Montgomery County Recreation Department could not enroll enough students to conduct the class in the public school building. In 1983 he initiated an educational presence in the Aspen Hill area by stocking their library with Amateur Radio training manuals supplied by the club. He also helps the neophytes by serving as a Volunteer Examiner.

In 1982 Walt began fostering assistance for members of the HANDI-HAM community, and has been personally involved with at least four of them. In 1982 to 1985 he campaigned to get the club to seek status and the benefits as an ARRL Special Service Club. When his efforts were successful in 1985, he was appointed ARRL Liaison - and still holds that position. In 1987 he founded the *Rock Creek Ripples* through which, as editor, he disseminates intra-club news. As correspondent to Auto-Call, he has contributed articles for inter-club news.

In 1988 Walt started a crusade to replace the club's ailing 2-meter repeater and personally provided a low interest loan for a sizeable portion of the purchase price of the new repeater. He then accepted appointment as chairman of the Repeater Committee and thereby assumed overall technical responsibility for maintaining the repeater and recruiting the required complement of control operators. He has been the acting chairman of RCARA's Program Committee for the past 3 years and during the period he has provided programs covering a gamut of subjects paramount to Amateur Radio.

He has made significant contributions in promoting a favorable image of the Amateur Radio service in the community through his participation in many public service events and through his efforts in persuading the Mayors of Rockville and Gaithersburg, and two Governors of Maryland to issue Proclamations declaring "Amateur Radio Week."

Walt Ramsey is most deserving of recognition as the Foundation's Ham of the Month.

Submitted by Carl Brandt - N3CFA and Bob Love - KD3IO

W3DOS
U.S. Department of State

AMATEUR RADIO CLUB BANQUET
Thursday, May 24 *
Fort Myer Officers' Club

Guest Speaker: Paul Van Der Eijk, KK4HD
Topic: World Band and Amateur Radio

Cash bar will open at 6:30 p.m. - Dinner will be served at 7:30 p.m.

MENU: Salad, Breast of Chicken Cordon Bleu, Baked Potato
Broccoli, Carrots, Rolls and Strawberry Parfait

Tickets are \$17.50 each
Advanced reservations are required.

Please make check payable to DOSARC. Mail by May 19
to Jane Dorset, KG3R
1017 N. Daniel Street
Arlington, VA 22201

Tickets will be held at the door

For information, contact Bill Harrison, KK4XO (202) 747-9384 (days)
or Jane Dorset, KG3R (703) 525-1488 (evenings)
or any Club Member on the 145.19 repeater.

* Please note change of date
due to scheduling error by Fort Myer

DOSARC ANNUAL BANQUET

Check enclosed for _____ Dinners at \$17.50 each

Reserver's Daytime Phone **Evening Phone**

50th Anniversary FCC Radio Intelligence Division

The Federal Communications Commission held a ceremony in the Commission's meeting room on Friday, 27 April, to honor the 50th Anniversary of RID and its founder, George E. Sterling. Unfortunately, Mr. Sterling was not able to attend but was represented by his daughter, Ms. Patricia Jabine, of Baltimore; and by a fine video tape made at Mr. Sterling's home in Maine.

The Honorable Alfred C. Sikes, Chairman of FCC, opened the ceremony relating how Mr. Sterling initiated actions to obtain funding for the RID. He was successful in this effort and President Roosevelt authorized the establishment of RID on 1 July 1940. Shortly thereafter RID had 100 monitoring stations, with at least one in every State and Territory. These stations were capable of detecting and locating, via DF, ships and planes, as well as subversive use of radio within and beyond U.S. borders. Intercepts of and bearings of enemy forces were passed on to Naval Intelligence and other U.S. units.

The RID Banquet was held in the evening at the Ramada Hotel in Ballston (Arlington, Virginia). Chairman Sikes was the featured speaker. He reported on the accomplishments of RID and then presented Ms. Jabine with a congratulatory letter for Mr. Sterling. In addition, the Chairman also presented to Ms. Jabine a beautiful plaque honoring Mr. Sterling. Other speakers followed, including Merle Glunt, James McKinney, Richard Smith and Hugh Turnbull. Mr. Smith, Chief, Field Operations Bureau of FCC, was the principal developer of this extensive effort by FCC to pay tribute to Mr. Sterling and the RID organization.

Shown at right is a recent picture of George Sterling - W1AE at his home in Maine. With him are his daughter, Ms. Jabine, and Ralph DeCoursey - N4BZL.



AFCEA Amateur Radio Operators' Luncheon

The Armed Forces Communications and Electronics Association (AFCEA) Annual Amateur Radio Operators' Luncheon will take place on Wednesday, June 6th in Room #31 at the WASHINGTON CONVENTION CENTER. Tickets are \$25 each (Credit cards accepted). Ordered from the AFCEA Programs Office (Attn: Barbara Jean Morrissette),

4400 Fair Lakes Court, Fairfax, VA 22033-3899. Phone (703) 631-6125

Please get your order in as soon as possible as this is a catered event and meals can not be ordered at the last minute.

The WASHINGTON CONVENTION CENTER is conveniently located between Gallery Place and the Metro Center station of the Subway System.

We anticipate having a speaker from the FCC dealing with Amateur Radio matters. If you would like to make an announcement during this function, or would like additional information, please contact the undersigned. Free admission tickets to the large exhibit area are available to attendees of this function. We look forward to seeing you again.

Stuart Meyer, W2GHK, AFCEA VP for Amateur Radio, 2417 Newton, Vienna, VA 22181.
Phone (703) 281-3806

MANASSAS HAMFEST

AMATEUR RADIO AND COMPUTER SHOW

AN ARRL APPROVED HAMFEST

SUNDAY, JUNE 3, 1990

PRESENTED BY THE OLE VIRGINIA HAMS A.R.C., INC.



SPONSORS:
OVH A.R.C., INC
F.D. Microsystems Inc.
ICOM

*** FOOD PROVIDED BY PARK WEST LIONS CLUB ***
INDOOR EXHIBIT SPACE AVAILABLE FOR DEALERS AND MANUFACTURERS
GENERAL ADMISSION: \$5.00 Per-person at gate
No advance sales
Gates open at 8.00 A.M.

TAILGATING: \$5.00 Per-space in addition
to general admission
Gates open at 7.00 A.M.

PRINCE WILLIAM COUNTY FAIRGROUNDS 1/2 MILE SOUTH OF MANASSAS
ON ROUTE 234, TALK IN ON 146.37/97 AND 223.06/224.66 REPEATER



GENERAL INFORMATION

- Ample room for tailgating - 25 acres.
- RV Overnight parking available.
- Building available for set-up from 2:00 P.M. until 10:00 P.M. on Saturday the 2nd.
- Prior written approval for food venders must be obtained from Hamfest Chairman.

Dealers Information Call:
Joe (K4FPT) 703-368-8599

General Information Call:
Rosemary (KI4VO) 703-361-5255

QCWA Baltimore Chapter #20

Monthly Luncheons: 3rd Thursdays, 1:00 p.m. at Timonium Denny's Restaurant
Last Wednesday each month 1:00 p.m. Denny's Restaurant
Northeast Baltimore on Belair Road just off I-495

Weekly QCWA Net: 9:00 p.m. Mondays on the TPA repeater, 147.285 MHz out.

Our annual Baltimore area Spring Banquet was held April 6 at Snyder's Willow Grove Restaurant in southwest Baltimore. Sixty-two members and guests attended. The evening started with a social hour, giving many of the members and guests an opportunity to renew old friendships. This was followed by a bountiful buffet dinner, always an enjoyable occasion as Snyder's.

Following the dinner, the meeting was presided over by Chapter President, Bill Greene - WA4GHU. A moment of silent prayer was offered in memory of recent Silent Keys - Maynard Briggs - W3HWZ, Rowland Schnick - W3VAG, and Mary, XYL of Tom McNulty - W3ZG. A business session was next, at which a majority vote approved a change in future banquet dates from April to May, hopefully achieving better weather (less rain) for the future. A motion to schedule the banquets for Sunday afternoons in lieu of Friday/Saturday dates did not carry. Drawings for several door prizes donated by local firms followed. Ed Martin - W4OBB, of Sutherlin, Virginia, was recognized as the member attending from the greatest distance.

Anniversary awards were the high spot of the evening, with Charles Van Reuth - W3CBP topping the honors.



W3CBP Receiving 75 Year Plaque
From Nat'l Secretary W4HU

Charles received the QCWA Golden 75 Year Plaque with pin, as well as the ARRL 50 year Membership Award.

Presentations of the certificates and awards were made by John Swafford - W4HU, QCWA National Secretary; Hugh Turnbull - W3ABC, ARRL Atlantic Division Director; Jack Kelleher - W4ZC, QCWA National Director; and Ethel Smith - K4LMB, former National Vice President of QCWA.

Ross Kilgore - KS3J received the QCWA 65 Year Golden Certificate and Lee Apple - W3EE received the QCWA 55 Year Golden Certificate.



KS3J receives 65 Year Certificate
From Nat'l Director W4ZC



W3EE receiving 55 Year Certificate
From Nat'l Director W4ZC

Baltimore QCWA Chapter #20 - Continued

Charley - W3CBP gave us some interesting and enjoyable remarks on his experiences in applying for his first ham licenses and operating in those pre-World War I days.

The evening ended with a presentation by Chesapeake & Potomac Telephone Company representatives Ed Compher and Pat Fisher on "Future Technological Advances in Telephone Communications" which was most fascinating.

Our next social event will be the annual Fall Cookout at the country home of Cam Marie - W3EPR, probably in September. Monthly luncheons take place at the Timonium Denny's Restaurant (1:00 p.m., 3rd Thursdays), and in northeast Baltimore at Denny's on Belair Road, just off I-495 (1:00 p.m., last Wednesday of each month.) The ladies are invited to this luncheon.

Details are announced on the weekly QCWA net at 9:00 p.m. Mondays on the TPA repeater - 147.285 MHz out.



***The Chow Line
At the Spring Banquet***

Bill Greene - WA4GHU, President

FAR/QCWA Annual Spring Banquet Awards 50 Year Golden Anniversary Certificates

50 Year certificates were awarded to four members of QCWA at the Spring Banquet but their pictures did not appear along with the higher year members in the May issue. QCWA National President Harry Dannals - W2HD (center) is shown congratulating

Stan Brigham - W3TFA, Ken Miller - K6IR, John Swafford - W4HU, Bill Miller - K4MM



New Carrollton Amateur Radio Society

Meetings:	4th Friday of each month, 7:30 p.m., New Carrollton Municipal Center
	6016 Princess Garden Parkway, New Carrollton, MD 20784
Mailing Address:	6016 Princess Garden Parkway, New Carrollton, MD 20784

Information: Phil Russo - N3GDD (301) 552-2918

The New Carrollton Amateur Radio Society was active during the month of April. NCARS provided communications for the New Carrollton playground project. This \$60,000 project was handled by over 800 volunteers from the city over an intense 5 day period in April. NCARS provided communications to coordinate the many different activities and helped make the project a success. The over-all coordination was handled by Phil Russo - N3GDD. Thanks, also, go to Dan Zagone - KA3CSP for scheduling personnel to insure adequate coverage. Many thanks to all the others who helped with the communications in order insure a successful and safe completion of this project.

Anyone who is interested in becoming a member of NCARS is encouraged to give us a call or drop us a letter. We are here to help serve the community and you.

The next meeting will be held on June 22, at 7:30 p.m. at the New Carrollton Municipal Center. See you there!

Joe Fry - N3HFG
(301) 552-1151

Fauquier Amateur Radio Club

Meetings:	Second Tuesday of each month, 7:30 p.m. Shadow Lawn Center, Warrenton, Virginia
Repeaters:	147.165 Voice, 145.070 Packet
Net:	Each Wednesday, 9:00 p.m., 147.165
Information:	Bob Taylor, KC4CVG. (703) 439-2786 (H) (703) 642-6070 (Work)
Mail Address:	Route 1, Box 445, Amissville, Virginia 22002

The April meeting of the Fauquier Amateur Radio Club was held at the Shadow Lawn Center in Warrenton, Virginia, on the 10th of April. The club's second annual equipment auction/flea market was under the direction of Larry Walker - K4LLQ, who managed the activities as grand auctioneer. Over twenty members and guests attended the lively event where some real bargains were exchanged.

The Club's Volunteer Examiner Team, managed by Frank Ross - W4NHJ, conducted a W5YI license exam session at Vint Hill Farms Station, Virginia, on the 18th of April. Seven individuals were administered license exams. Congratulations are extended to Nelson Funkhouser - N4VJW and Don Maziarz - WB2WVG, who passed the Amateur Extra and to Chuck Gould - KC4OWW who passed the theory part of the General exam.

The Fauquier Amateur Radio Club welcomed two new members into the club at the April meeting: Chuck Gould - KC4OWW and Neil Spokes, new Novice.

Bill Mills - KC5PF

Woodbridge Wireless, Inc

Meetings:	3rd Tuesday of each month, at 7:30 p.m. Tall Oaks Community Center, Lake Ridge. Intersection of Hedges Run Drive and Cotton Mill Drive.
Repeater:	WB4FQR/R 147.84/24 and 449.9/444.9 WB4GJZ/R 223.18/78
Nets:	Mondays, 8:00 p.m. local (0100 UTC) 147.84/24, 223.18/224/78 (the repeaters are linked for the net.)
	Wednesdays, Slow CW at 8:00 p.m., 21.164 MHz
	Saturdays at 9:00 p.m. - in new 10 Meter Novice band 28.460 MHz SSB
Mailing Address:	P.O. Box 112, Woodbridge, VA 22194

Now that "granddaddy Dayton" is over we can all get ready for the Hamfests closer to home. Field Day 90 is fast upon us and a VOLUNTEER is needed to coordinate the food service for midnight snack ("mid-rats") and Sunday breakfast at the site. There will be a covered dish/potluck supper on Saturday evening similar to previous Field Days.

The May meeting will be given over to FD 90 logging practice/training....bring floppies if you need to get a copy to practice with at home or on your lunch break at the office. The June program, the 19th, will be given by Denis, WD4KXB, on Field Days Past and an overview for FD 90 the weekend of 23-24 June.

Lest you think that WWI is given to training only for Field Day, Loyd (K8EI) gave a rousing and informative talk on the etiquette and 10 commandments of attending hamfests. When I walked into the meeting, I thought I had flashed back to "Winterfest"!

THANKS....to Robin, N4VZU, our official greeter, for making welcome our new members and for obtaining an accurate count of members attending the monthly meeting.

The boat races are doing great! There's been lots of help from many folks anchored by stalwarts Dean, WB4EIY, and Joe, W4ADM. Of course, we could use more. Everyone's been getting wet thanks to the wx! There is a special event coming up on the 9th of June....Middle Atlantic Regional Championship Regatta...sponsored by the U.S. Rowing Association. Crews from Maine to Florida will be here. This is NOT

a high school event and top squads will be racing on the new 2000 meter Occoquan course. Amateur radio help will be needed....call Joe now and volunteer!

Loyd, K8EI also does a history column in the club newsletter called "K8EI Remembers". Here's a bit from Loyd's May column. "15 YEARS AGO: A Ringo Ranger antenna was installed on the Lake Ridge water tower May 10, 1975. A surplus Army communications hut was moved to the base of the water tower on May 17, 1975. The hut weighed 3,000 pounds and was brought to the site on a borrowed boat trailer. Director Stu Mitchell, WA0DYJ, is the keeper of the official "Comedy-of-Errors" story of the hut installation." That was the start of what is now the WB4FQR club repeater (but originally it was WR4AII).

By the way, remember that there are a lot of people monitoring repeaters, be friendly but maintain normal security precautions. Don't announce long absences, etc. And, by all means, don't argue with your spouse!

Club-sponsored General/Advanced/Extra Class license classes begin Thursday, May 17, 1990 at Our Lady of Angels Church school. Classes will run from 7:00 PM to 9:30 PM for 16 weeks through August 30. Extra Class Morse Code will be taught at 23 WPM character speed with word speed starting at very slow and progressing to 20 WPM.

That's all for this month. 73 and see you at Field Day.

Jim - WJ4M

Metrovision

FAST SCAN - COLOR - ATV

Meetings:

Repeater:

On-the-air:

Mailing:

Information:

Quarterly: Next meeting March 8. 7:30 p.m. QTH of WB3EPX
WA9GVK/4 (Video and Audio) 425-431 MHz in; 438-444 MHz out
Also accessible on 144.970, simplex, audio.
Sundays at 8:00 p.m.
Metrovision, Inc., P.O. Box 8231, Falls Church, VA 22041
Dick - WB3EPX (301) 439-8135
Gene - AD3F (301) 774-5307

It is with the greatest pleasure for me to announce to you that the new Metrovision newsletter is now a reality. One of our newest members, Lee Love - N4LXI has agreed to assemble various articles from our membership and friends and to publish the work in newsletter form each quarter. I have personally seen the result of Lee's initial work and I can tell you that it is nothing short of spectacular. In order for the newsletter to succeed, however, we will need the complete support of our membership and friends. You may submit articles of a technical or personal nature directly to Lee who will then put them all together into a newsletter format. Photographs or schematics may also be submitted to lend support to your articles. Please submit your material to:

Lee Love - N4LXI
2161 Golf Course Drive
Reston, Virginia 22091.

Please! let's all get together and make the Metrovision newsletter the best one around. Well done, Lee.

By the time you read this article, our new 900 MHz ATV antenna will have been installed at the repeater site. We want to thank all those who contributed to the purchase of the antenna and/or helped in getting it set up.

The remaining Metrovision membership certificates were mailed out on April 23. All members should have received them by now. In the remote event that I may have missed someone, please call me at the above telephone number.

The pictures below were taken at the March meeting. I hope everyone has a most enjoyable Summer. See you on ATV.

Dick - WB3EP



Ruth Phillips - K3AGR



Westbrook - W3EW & Gene Smar - AD3F

Vienna Wireless Society

25 Years of Public Service

Meetings:

2nd and 4th Fridays of each month, 7:30 p.m.

Repeaters:

Vienna Community Center, 120 Cherry Street, Vienna, VA

K4HTA/R 146.085 in/146.685 out

222.340 in/223.940 out, 448.250 in/443.250 out

Nets:

Every Thursday at 7:30 p.m. on 146.085 in and 146.685 out.

Information:

Pow-Wow Net Every Night at 9:00 p.m. at 28.400 MHz

Training Classes:

Brian Treadwell, WV4V (703) 938-1442 (H), (202) 457-7179 (O)

Mailing Address:

Paul Wilkins, AB4CY (703) 560-2779

P.O. Box 418, Vienna, VA 22183

The big excitement around town is planning and researching an ambitious repeater expansion that would about double the Club service area in western Fairfax County. The effort is spearheaded by Dick - NH6E. This expansion would involve linking the Club's present two meter machine with a new four forty installation near Dulles Airport. A new modem is to be installed at the two meter location so that we can make better use of the programmable controller facilities. Barney - WA4HIM and some of the gang installed a tower mount for the club's present four forty machine antenna. That should improve local coverage.

The town of Vienna celebrated its Centennial over the weekend of May 12-13 with a full program by service clubs, including VWS. Brian - WV4V is handling the display that the club will provide for the event. This was to be followed by Viva Vienna, an annual town street fair on Saturday, May 27th. This event attracts upwards of fifteen thousand. VWS has had an on-the-air demonstration booth and obtains some good exposure to the community.

We had a hand-held night to discuss the pros and cons of those zillion models crowding the ham magazine back pages. Nobody admitted to knowing what all the buttons were for, but everybody complained how small they were getting. There was discussion of the forthcoming ICOM miniature that covers everything from 100 kc to over a gigahertz. Our other April meeting was an introduction and demonstration of digital signal processing, led by club member Mike Gallaher - WA2HEE. Sine waves became

lists of numbers and sounded just as good. He described how those "ideal" filters that called for a 16.29 millihenry inductor can be replaced by a computer software program working on this list of numbers.

Our largest training effort yet is in full swing. Jim - WI4A is pushing upgrade to General's and Ron - N4WYR is unwinding kinks for hopeful Advanced and Extras. The Novice class includes five YLs and three members under fifteen years of age.

We're boning up for Field Day operations at our usual location at Burke Lake Park. Let's all hope for a beautiful weekend and decent SWRs on those temporary skyhooks.

Paul - AB4CY



From ARRL Gil Cartoon Book

Metropolitan Communications Network

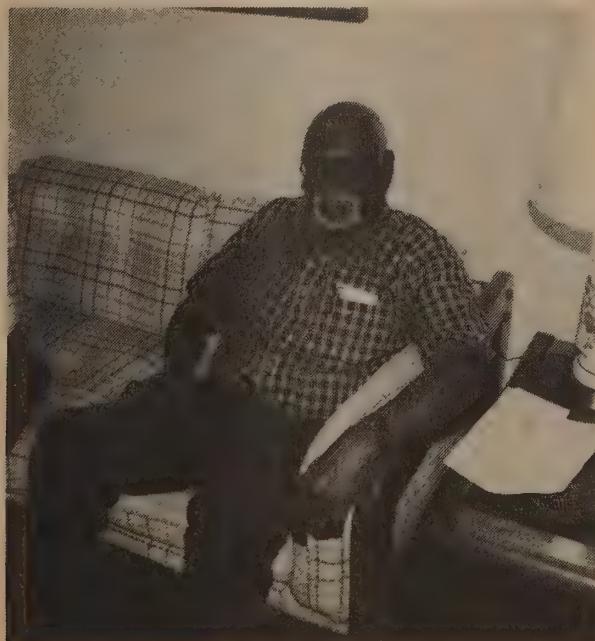
Representing Six Meters in the Greater National Capital Area

Meetings: Quarterly, on the second Sunday of the month;
Time and place to be announced.
Repeater: N3AGB/R, 52.250 MHz in - 53.250 MHz out
On-The-Air: Saturdays at 20:00 hours EDST
Mailing: Bob Sporn - WA3GGO, 9927 Cottrell Terrace, Silver Spring, MD 20903
Information: Bob Sporn - WA3GGO (301) 434-1719

With the change of the net meeting on Saturday from 19:00 hours EST to 20:00 hours Eastern Daylight Saving Time finally established, our nets are back to normal.

Marv Storey - N3FBO took time to paint his Cessna 172 and Joe Saunders - K3UAL was busy painting the bottom of his boat, a sure sign that summer is fast approaching.

Our next meeting will be Sunday, June 10 at 14:00 hours at the QTH of our president, Frank Hipsley - WA3ZAR. Joe Saundar's photo didn't make it in the May Auto-Call and now appears below. Joe operates Maritime Mobile.



Joe Saunders - K3UAL

My apologies to Marv Storey and to C.J. "Arch" Arcilesi, whose call letters were incorrect in the last issue's photo due to a bad interpretation of my penmanship. Marv is N3FBO and Arch is K3WUR.

THE SUNDAY MORNING COFFEE NET (50.4 MHz) AM, AT 9:00 Hours

Jerry - N4NSK joined us from Virginia. We received a surprise call from Max Wiener - K3GJW, telling us about a six meter AM rig, which I had forgotten about and which he was returning. I had assembled it from a kit and it was the first rig on which yours truly got on the air in 1966. It is probably an antique by now.

In spite of hamfests and the Dayton Hamvention, our Sunday coffee net continues in operation.

MARYLAND FREESTATE SIX METER SIDEBAND NET (50.125 Mhz) SUNDAYS AT 19:00 Hours.

This net is back in operation and has been meeting regularly.

Bob - WA3GGO

Arlington Amateur Radio Club

Meetings:	Third Tuesday of each month, 7:30 p.m., at the American Red Cross, Arlington Chapter, 4333 Arlington Blvd. (Rte. 50).
Net:	Tuesdays (except meeting nights) 7:30 p.m., 144.87/145.47 MHz FM.
Info:	Craig Church, N4EFJ (703) 979-8325.

April Meeting

At the April 1990 meeting of the Arlington Amateur Radio Club, Craig - N4EFJ announced that plans for installation of the club antenna were progressing rapidly. The only remaining technical snag, other than raising the necessary funds, is to secure a survey plat of the Red Cross grounds. Keith - N6JWN volunteered to begin the effort of contacting local Amateur equipment manufacturers and distributors who might be interested in donating equipment to the Red Cross. Craig noted that plans call for a Rohn 45G tower with several beam antennas. Frank - WB8OFR will donate a Hy-Gain TH-7 or comparable tribander. More information should be available at the May meeting.

Terry - K9ELP reported that more than two-thirds of the students in the novice class had passed a practice theory exam. Morse code was proving to be more difficult, he said, but most of the eighteen students are diligently working to learn it. Craig - N4EFJ announced that several instructor's manuals were available for sale to any member who wants a copy.

Six members have become ARRL-accredited VEs. The Arlington Volunteer Examination session, scheduled for mid-summer, will be held at the Ballston Office Building, conveniently located near the Ballston Metro Station.

Craig next announced that the Club plans a big effort in the 1990 Field Day, set for June 23 and 24. The location of the Club's Field Day site will be Fort Ward Park just off Braddock Road. More details at the May meeting.

Tom - W4LMW reported that the club is in the process of purchasing QSL cards for the club station, W4WVP. The samples looked great.

Bill - KM4DN encouraged everyone to look for additional advertisers for the club newsletter, the Arlington Beacon. Sponsors who place ads for six consecutive months will receive a discount from the standard price of \$25 per issue.

The evening's guest speaker was Frank - WB8OFR, who described his recent trip to Stockholm, Sweden. Frank played tapes of Swedish two-meter traffic and broadcast stations and offered a taste of Swedish cuisine to those in attendance. A good time was had by all.

Upcoming Events

The club will prepare for Field Day 1990 at the June meeting. Band captains and party chairmen will be selected.

The club was asked to provide communications at the Crystal City 10-kilometer run on May 20.

The Swap and Shop Net continues to be conducted by Peter - KC2UJ each Sunday evening at 8 p.m. on the 145.47 repeater.

Dateline: Mecca

This year, several pilgrims from Arlington joined the thousands worldwide who made the *Haj* (Hams' annual journey? Hara Arena junket?) to Mecca (a.k.a. Dayton, Ohio). N4EFJ, KI4MB, KC3SV, WB8OFR, NZ3I, N4VEC, N4GA, and WB3KQM all had a great time at the Dayton Hamvention. When it ended, their caravans returned laden with modern equivalents of silk and spices. Mike - NW3V, who was in Dayton on business, had to leave the day before the Hamvention started but got a sneak preview of the commercial exhibits being set-up, thanks to Chuck Berry [sic] - WD8NVY, who was helping the Dayton Amateur Radio Association orchestrate the chaos.

Arlington Amateur Radio Club - Continued

[Earth Day, Two-Way

Robert - KC3ONW, Bill - W3HXF, Lynn - KA3LCB, Rick - KK3GV, Frank - WB8OFR, and Kevin - N4KRR, studied the electromagnetic environment on the Mall during the Earth Day celebration on April 22. "Coverage downtown is excellent," Frank noted, "and there are very few dead spots." Kevin learned something about conservation -- of battery charge. When his electro-degradable batteries did just that, he muttered, "Maybe by the Fourth of July they'll invent solar-powered batteries!"

Tally Ho!

The Arlington ARC's first-ever "fox hunt" on May 5 culminated weeks (or in some cases, hours) of preparation by participants. As prescribed by the rules, "foxes" Al - KK4XB and Bob - KB4ZSS operated on 146.58 MHz from a fixed location in northern Virginia inside the Beltway -- but not by much. They operated intermittently from the Virginia end of the Woodrow Wilson bridge, teasing "hounds" with descriptions of the sumptuous repast they were enjoying and the cold victory beer awaiting the first to find them. That turned out to be Craig - N4EFJ, who headed south on a bearing obtained with a "boomer" at home.



The Winner - Craig - N4EFJ
Receiving certificate from Al - KK4XB

Photo by NW3V

Craig gauged proximity by signal strength and used a step attenuator to keep his S-meter from pinning. This must have been tricky, because the foxes used four

different transmitters to vary output power over a wide dynamic range; fortunately for the hounds, they didn't get a 160-watt rig on the air, as planned.

Runner-up was Joe - WA4FXN, who built a 4-element quad for mobile and handheld use. The latter mode aroused someone's suspicion, and Joe was questioned about it by a policeman! But for this, would he have won?



Runner-up Joe - WA4FXN
Beside his 4-element quad.
Robert - KC4ONW at left

Photo by NW3V

If there were an award for the largest team, it would have gone to a team consisting of AB4RA operating from his QTH, Robert - KC4ONW and Don - KC4OUW (with friend) in one car, and Bob - AK3Y and Mike - NW3V (with harmonics) in another. Mike and Bob got good bearings using Mike's homebrew loop with Bob's surplus EMI receiver, which had a built-in step attenuator. Mike's "Swiss Army Loop" was full-wave to allow transmitting and had a built-in compass with counter-clockwise bezel to allow setting of magnetic deviation and direct read-out of true and reciprocal bearings. Bob's EMI receiver, outboard power supply, and inverter drained his car battery, causing a self-inflicted mobility kill. Don and Robert sped to the rescue but were preempted by an anonymous Samaritan. Joe - AB4RA helped train, equip, and vector these hunters, with bearings from homebrew stacked Yagis at his QTH.

Arlington Amateur Radio Club - Continued

We Don't Need No Badges!

Banditos display an impressive arsenal of DF gear they pressed into service on Cinco de Mayo. Standing: Don - KC4OUW (l) and Robert - KC4ONW (r), wearing AB4RA's 100 A-h NiCd diving weight on belt. Kneeling/sitting: Bob - AK3Y and harmonic Judy (l), in front of Bob's homebrew printed-circuit loop antenna and surplus EMI receiver; Mike - NW3V with harmonic Marian (r) and homebrew full-wave loop.



Photos by Manos Clements

Tad - NZ3I also participated, and found the post-chase picnic in Lacey Woods Park. Bob - KI4MB, Marge - N4EFJ/YF, and several harmonics attended. Photo below shows the homebrew printed circuit loop antenna used by Bob - AK3Y.



Frank - WB8OFR and Mike - NW3V

The Ladies of QCWA Chapter #137

We would like very much to run the photos of the ladies of Chapter #137 who have supported their husbands during fifty years of ham radio. Shown below, Bettie Johnson, Wife of WA4HVU, honoring (at left) Harriet Crabill, wife of W3HQX, and Pearl Cartier, wife of K4AC. (Second lady in photo was not unidentified).



Columbia Amateur Radio Association

Meetings:	Fourth Tuesday of each month, @ 7:30 p.m.
	Howard County Emergency Operations Center (EOC), Howard Building, Ellicott City MD.
Address:	Mail may be addressed to CARA @ NB3P on 145.09 Mhz.
Nets:	ARES, 1st. & 3rd. Tuesdays, @ 7:30 p.m.
	CARA, Tuesdays (except meetings nights), @ 8:30 p.m.
	(All nets meet on 147.135 Mhz, unless otherwise posted.)
Mailing:	CARA, P.O. Box 911, Columbia, Maryland 21044
Information:	CARA Hotline - (301) 997-5052

On April 22, CARA sponsored the Tri-County Fox Hunt. Members of the Maryland Mobileers, BRATS and CARA all joined together to find the fox. The boundaries for the fox hunt were route 40 to the north, routes 695 and 3 to the east, routes 32 and 175 to the south and route 29 to the west. Three times a year these clubs get together for this fox hunt. Each club takes a turn in sponsoring the hunt. Congratulations to Erin-N3HSA and Mark-NW3S, who were first to find the fox. Congratulations also to K1LNJ and the team of WA3TID, WB3EVS, N3DCI and Lynn (a soon to be Novice) who came in second and third places. We hope to see all again in the fall, when the next hunt will be sponsored by the Maryland Mobileers.

The April CARA club meeting, held at the Tamar Drive Fire Station, turned out to be a great success. All who attended worked with different types of radiation detection equipment and were taught how to operate each piece. Special thanks to Chief Lepore of the Howard County Fire Department for his course presentation, superb skills and patience with the class. We owe many thanks to Howard County Civil Defence and the Fire Department for providing this service.

Howard County RACES' members worked from local fire houses for the May 8th exercise. Each amateur radio operator simulated emergency fire communications. The purpose of this exercise was to prepare RACES's members as emergency communications personnel in the event the county communications systems had failed. All went well during the exercise and we give special thanks to Mike Carr -WA1QAA for his time and organizational help.

June News:

On June 23rd. and 24th, CARA will participate in Field Day exercises. The CARA field day activities will be held at the Clarksville Elementary School. Setup begins at 1:00 p.m. on Saturday the 23rd. Besides the Contest Stations, we plan on setting up a Novice Station. We desperately need operators. If you wish to participate or learn more about field day activities, come on down. The Contest and Field Day activities will last from 3:00 p.m. Saturday until 3:00 p.m. Sunday, around the clock. For more information call Alan Chedester -N3AC at (301) 596-6543 or Bob Nauman -WA3VUQ by means of the 147.135 repeater.

The June club meeting will be held on the 26th, at 7:30 p.m. in the EOC of the Howard Building, Ellicott City Maryland. The meeting is open to the public. This month's presentation, by Ralph-N3FWX, is entitled "PC's & DOS for the Computer Illiterate." If you know of someone who has a fear of your computer or are trying to interest someone in Ham Radio bring them along. Non amateur radio operators are encouraged to attend.

73s, Bill - N3HTJ



© 8-87-10

Rock Creek Amateur Radio Assn.

Two Meter Net:	FM 144.65/145.25 Mondays 8:00 p.m.
RCARA Alumni Net:	7.23 MHz, Mondays 11:00 a.m.
RCARA LUNCHEON:	Wednesdays, 11:15 a.m., Anchor Inn, Wheaton, MD
Meetings:	7:30 p.m. the third Friday of each month at Vitro Labs
Mailing Address:	P.O. Box 1913, Silver Spring, MD 20902

The following officers for the coming year were installed at our April meeting:

President: John Halweg - N3ETD
Sr. V.P.: Herb Ley - N3CDR
Jr. V.P.: Harold Holmes - N3BRM
Secretary: Mike Kahn - KA3GSV
Treasurer: Ken Williams - KD3BT
Trustee: Carl Brandt - N3CFA

Elected to the Executive Committee:

Leo Boberschmidt - KA3TGY
Ed Buchheit - KA3RWX
Fred Carr - NB3C
Mike McIntyre - AJ3Q

Congratulations to all and we wish you well in your term of office.

Also thanks to Walt Ramsey - AK3B, Bob Galpeer - N3EWG and Walt Hardy - KF3H for their services during the past year.

Sharon - KA3DOF, Leo - KA3TGY, and Danny - K3TKS participated in the ARRL November Sweepstakes. Their scores are posted in the May 1990 issue of QST.

Vic Link - NV9P, a Club member now residing in DeForest, Wisconsin recently visited with the Wednesday lunch bunch.

Did you see the reference to Ethel Smith - K4LMB on page 12 of the March issue of QST about the founding of the YLRL 50 years ago? What a subterfuge to justify an anticipated trip to Hawaii 50 years later! Hi.

Thanks to Jim McDonough - W3CY who was guest auctioneer at the semiannual auction held during the April meeting. Jim successfully moved many articles made available through the FAR Widow's Assistance Program.

Bob - KD3IO

M A D R A S

The Maryland Apple Dumpling Radio Amateur Society Inc.

Meetings: 2nd and 4th Wednesday of the Month - 7:30 p.m.

At the NBC Building, 4001 Nebraska Avenue, N.W.

Repeater: KC3NG/R, 145.450/145.850 MHz PL 5A during interference.

Mailing: P.O. Box 2468, Wheaton, MD 20902

Information: Scott Standiford, W3YTW (301) 589-9321

MADRAS has a busy month ahead. June 10 - MADRAS goes after the fox! Somewhere in Montgomery County the fox will be pouring forth non-ionizing radiation on 145.45 MHz, transmitting on request. The one-who finds the fox wins a free pizza at Shakeys in Bethesda. The Hunt 1 - 4:30 pm. Pizza and tall tales 4:30 - 6:00 p.m.

June 23-24 Field Day in Montgomery County. For details, call Larry - N3GKZ at 530-8646. We are mounting an aggressive attempt to score high and need operators.

The new MADRAS repeater, now being built, will operate on 444.100/449.100 with 150 watts ERP at 706 HAAT. If you would like to help come to a club meeting and be a part of the construction. Meetings every 2nd and 4th Wednesdays, 7:30

Scott - W3YTW

Mt. Vernon Amateur Radio Club

Meetings:	Second Thursday of Each Month, 7:30 p.m.
Repeater:	Mt. Vernon Governmental Center, 2511 Parkers Ln., Alexandria
Nets:	WD4PDP/R 146.055 input 146.655 output
Information:	Every Tuesday at 8:00 pm (0100 UTC Wednesday's)
Training Classes:	Starts on 2-meter then moves to 10-meter on 28.405
Mailing Address:	Chris Morrow, W4WYL (703)765-5964 John Forrest, NZ4A (703) 971-3905 c/o Chris Morrow, W4WYL, 7408 Recard Ln., Alexandria, Virginia 22307

April's program was a fascinating discussion presented by Gary Garriot WA9FMQ and Phil Gray KA7TWQ of VITA (Volunteers In Technical Assistance). Their presentation informed us that VITA is all over the world helping developing countries to become self-sufficient. Among other things, VITA uses AMTOR and packet radio to help get requested information to people in a timely manner. Gary and Phil also told us VITA always needs more Amateurs to help them - volunteers would be gratefully accepted. We certainly appreciate the time and information Gary and Phil gave us.

April brought us two new members: David Stannagel WD5JIJ and Kenneth Jones KC4MAD. WELCOME to our club - we're very pleased you have joined us. We also had eight visitors: J. F. Glennon K4DUQ and his daughter Jean Goldfarb, John Jones N4QBP, William Quello (no call), Kim Phillips (daughter of Dave KE4TZ), Pete Dunn (no call), Pat Bookout (Steve's son) and Robert Lewis N4SCK. We are so happy you visited and we hope to see you again.

CONGRATULATIONS to Luis Villalobos KC4NUE who upgraded to General, to Jim Barnes on the new call - N4YOK and to Dave Mercier who also got his new call - N4YPR.

April also brought the elections of our new officers. Congratulations to:
John KI4HK (President)
Mike KE4ER (Vice President)
Chris W4WYL (Treasurer)
Fred WH6BBH (Secretary).

I'm sure 1990 will be another great year.

We received the good news in April that the Red Cross has offered us a room in their newly acquired building on Route 1. It looks like we may have a club station in the works!

Finally, the turnout. It was great again - 53 people this time. The attendance for this year is going to go down in club history. We are so pleased to see so many members and visitors each month. I hope we finish this year as spectacularly as we have begun it!

The June program will be preparation for field day. Even if you aren't going to get on the air on field day, we sure want to see you at the picnic. We would love a long list of visitors too! So, plan to join us June 14th for preparations and June 23rd for the big day!

I want to thank Carol N4QHS for gathering this month's information for me while I was away playing and vacationing. This report wouldn't have been possible without her efforts.

Marci, KM4VM

Coincidence or what? The first two-way transatlantic communication was achieved in 1923 on 100 meters (3 mHz). The sunspot cycle was at or near minimum in 1923. Had the transatlantic tests been made a few years earlier or a few years later propagation would not have been sustained at these frequencies.

N3BEK

Anne Arundel Radio Club

Meetings:	1st and 3rd Thursdays at 8:00 p.m. Davidsonville Family Recreation Center, Queen Anne Bridge & Wayson Roads off MD Rt. 214 near Annapolis.
On-the-air:	Thursdays when there is no club meeting. 2030 Local on 147.705/105 Tuesdays at 2030 local time on 28.410. W3VPR Packet Bulletin Board on 145.09 MHz. W3VPR Packet Bulletin Board on 223.40 MHz
Chesapeake Bay	Weather & Traffic Net on 1417.705/105 at 1100 and 1500 every weekend and public holiday from April 1 to November 15
Address:	P.O. Box 308, Davidsonville, MD 21035
Information:	Margaret (Holly) Bevan - N3BMB (301) 923-0229

The Chesapeake Bay Weather and Traffic Net was activated on April 7th. Net Coordinator Byron Kabron - KA3CUK can use more net controllers. Membership in AARC is not a requirement for this position. If you are a boater who will be on the Bay most week-ends and would like to help, call Byron at (301) 474-4377.

AARC members have been very busy lately providing communications for local annual events - the Walk-a-Thon for the Diabetes Association on March 25, the Marlborough Hunt Races at Roedown on April 1, the YWCA 10K Run on April 21, and the March of Dimes Walk-a-Thon on April 28.

Bob Bruninga - WB4APR provided ATV coverage for the run and the walks. Bob also retransmitted from Goddard Space Flight Center the ATV coverage of the Space Shuttle Discovery.

The annual Bay Bridge Swim on June 10, to benefit the American Diabetes Association, will require at least seventy Hams with 2-meter handhelds. This requires the cooperation of several clubs. Anyone who is interested in helping with this event may contact Frank Piazza - WD6DUQ at (301) 974-0806 or Holly at (301) 923-0229.

AARC will run a special event station on June 3rd during the DFRC (Davidsonville Family Recreation Center) Fair. Look in June QST for frequencies.

The Novice class has drawn to a close, but the testing has not been completed. A report will appear in the next Auto-Call.

Recent upgrades to Advanced include Dave Platky - KA3SPS and John Robbins - N3HSL. (John now has the call KD3RW.) Jerry Yang - N3HPB is now a General.

Holly - N3BMB

FOUNDATION FOR AMATEUR RADIO Widow's Assistance Program

The Foundation's Widow's Assistance Program has been in operation for many years and has accomplished a great deal for the families of our Silent Keys. The program offers to help widows (and other family members) evaluate and dispose of radio equipment in Amateurs' estates. Listings of Estate Sales are carried in the Shack Sales of Auto-Call free of charge and major items are offered for sale at local Hamfests. No fee or commission is charged.

Interested parties should contact a local Foundation member club or call the Widow's Assistance Program directly. Call Widow's Assistance Program chairman Bob Henkel, NA3R at (301) 649-4494 (evenings and weekends.)

Stafford Area Repeater Association

Meetings:	Weekly, 0730 a.m. every Saturday morning, at the "Nothin Fancy" Cafe on Route 1. All meetings are informal.
Repeater:	N4SMP/R 145.27 out 144.67 in. Autopatch for members.
Mailing:	c/o George Gautney - N4SMP, 9 Skyview Court, Stafford, VA 22554-5232
Information:	Dick Kirby - W4GFB (703) 720-0406 or George Gautney - N4SMP (703) 659-5720
Packet:	145.07, W4GFB-2

Jim - N4PVC recently sent his older Kantronics TNC to the factory for an upgrade. He now has it back in service with a personal mailbox and lots of new features, and has it parked on the DX cluster. We expect to see him on the DXCC Honor Roll soon - he only has 342 countries to go!

George - N4SMP shanghaied several club members into helping him put up his new tower. It's up now, but sans antenna. He assures us that he does intend to put an antenna on it sometime before the end of May. Then, he says, he will get into some serious DXing. So watch out, Jim; George may beat you to the Honor Roll.

SARA will be setting up near the Quantico MARS station for Field Day this year and we hope to have several of the student members of our two school Amateur Radio clubs visit or, better yet, operate the station. Gary Mullinix, the sponsor of the Garrisonville Elementary club, advises that they now have 20 members!

Spike - K9MX

Pentagon Amateur Radio Club

Meetings	Monthly, on the second Wednesday of the month. Noon.
Repeater:	PARC clubroom (5B272), The Pentagon
Packet:	K4AF/R, 444.55 MHz. CTCSS 88.5 sometimes in effect.
Mailing:	145.07 Digi - K4AF, Mailbox - PARC, Node - PNTAGN
Information:	P.O. Box 47063, Washington, DC 20050
	David G. Boyd - K9MX (202) 695-2020 or (703) 659-6241 or
	William Klein - N4VBW (202) 693-3358 or (703) 590-2546

The Pentagon ARC hit Dayton in force this year. Dick Lum - NH6E, Bob Bonn - KC4PJO, Bill Smith - W4HMV, David Boyd - K9MX, and Hoss Karimi - WA5ZAI all managed to find things in the flea market they couldn't live without. Bob even found an Australian mobile antenna, the "Outbacker," which he hopes will solve his antenna problems at home. It looks more than a little like a dead tree branch, but apparently it really works well, and it covers all bands from 75 to 10 (including the WARC bands). Bob also got to experience what life must be like for a vampire in a coffin. We'll leave it to you to ask him to explain.

Dick Lum - NH6E in true Air Force fashion, bought himself a ten meter modification kit for his linear only to find one had already been installed. He'd really like to find a buyer. He says he'll look inside any used gear in the future before he buys parts for modifications!

(Continued on page 52)

"Ole Virginia Hams" Amateur Radio Club

Meetings: Third Monday of each month, 8:00 p.m.
Northern Virginia Coop Building
10323 Lomond Drive, Manassas, Virginia

Repeaters: Voice WA4FPM 146.97 and 224.66
Digipeater WA4FPM-1 145.09
Digipeater WA4FPM-3 223.40

Net: Each Thursday, 8:00 p.m., 146.97 and 224.66

Information: Harry Vorhauer - W4PVA 703-368-6050
Steve Frick - N4OGR 703-361-0008 or Metro 690-6547

Mail Address: Ole Virginia Hams ARC, PO Box 1255, Manassas, VA 22110

In order that hams will be able to better assist with communications during a civil disaster or some other event producing many casualties, Prince William Hospital is providing an operating position for an Amateur Radio station in their emergency room office near the telephone switchboard. A two meter antenna will be placed on the roof. The facility provides emergency power. In the event of a general power failure, our repeater would be inoperable, at least for a while. The operator at the hospital would have the option of setting up his or her radio to operate with a backward frequency shift. In that manner, it can take calls from other units which are set up to operate through the repeater. Depending on the circumstances, the operator would be able to choose between using our repeater, operating simplex, or with the backward frequency shift.

Dick Miller, WD4AZG, is the Education Committee chairman. He is currently not planning any classes until fall.

The scholarships sponsored by Ole Virginia Hams during 1990 will be awarded in honor of Hank Allard, WB4VQL, who became a silent key prior to the March meeting.

The Prince William Park Authority sponsored a bicycle tour on April 22. There were 121 participants with no injuries to the riders. The tires didn't do nearly as well; there were a number of flats. About six local hams supported the tour by riding with the attending Park Authority employees.

The next meeting of Ole Virginia Hams will be at 8:00 p.m. on June 18.

Mike - N4REI

Pentagon Amateur Radio Club - Continued

We finally have our budget from MWR - \$3,000 for a new HF transceiver and \$500 for repairs. The technical committee will reconvene to decide what rig to get. The original plan was to buy an ICOM 765. bit with the introduction of the new Yaesu FT-1000, there have been rumblings to the effect that we should buy it. Stay tuned.

Gene Smith's editorial work on QLF, the club newsletter, has really begun to bear fruit. It has a new and exciting look, is a full four pages long, and regularly contains some of the best humor in hamdom.

And, finally, the next license exams at the Pentagon will be held 13 July. Walk-ins are always welcome, but if you don't have a pass to get into the building, you'll need to call a day or two in advance so we can arrange an escort for you.

Spike - K9MX

Alexandria Radio Club

Meetings:	The second and fourth Fridays of each month at the Red Cross Chapter House, 401 Duke Street, Alexandria, Virginia
Packet PBBS:	W4HFH on 145.07
ARES Net:	Thursdays at 9:00 on the 147.315 Repeater
10 Meter Net:	Meets on Thursday nights at 9:30 p.m. on 28.350 MHz USB
Repeaters:	147.315/915, 444.6/449.6, 6 Meters and 220 MHz

It has been a busy few months for the Alexandria Radio Club. (So busy we have neglected our Auto-Call articles for a while!). We have performed two public service events. And we have had some changes in the club station, as well as some other club special events.

We provided communication for the George Washington's Birthday Parade in Alexandria. About 14 hams from Alexandria, Arlington, and the Mt. Vernon clubs got together and provided parade set-up and safety communications. This parade is sponsored by the City of Alexandria, and it was the first time that they had requested our assistance. We have been assured they will be contacting us for next year.

We also provided set-up and safety communications for the St. Patrick's Day parade in Alexandria. Once again we had assistance from our neighbors in Arlington. This was about the fifth year we have assisted with this parade, and the event ran smoothly. (In spite of Chuck - N4HCP burning up the rig we were to use for packet communications. Hopefully EEB will have it back to good health soon!) This event also required the use of about 14 hams.

The club, W4HFH, now has a packet station permanently installed. And we are working towards buying a new state-of-the-art HF rig. The packet station was unveiled at the April 13 meeting, and includes a personal BBS that can be used to keep up on club events. The call sign of the PBBS is W4HFH and it is currently on 145.07 MHz. The packet station was installed by Chuck - N4HCP. Anyone with questions can leave a message on W4HFH or N4QQ. (We plan to move it to a quieter frequency as soon as one can be found. We will leave a note on N4QQ telling everyone where we went.)

The club also sponsored a CPR course, at the request of many club members. It was felt that, due to our public service work and ARES activities, that CPR training would be a good idea. The class was taught by Ben - N4SFG and Chuck - N4HCP who are both CPR instructors for the Alexandria Volunteer Fire Department. We appreciate the use of the Alexandria Fire Department Training Center for this CPR class.

Plans are under way for our joint Arlington/Alexandria Field Day effort. Hope to see you there!

Chuck Rexroad - N4HCP

Be Forewarned!

AMSAT is very concerned with all the QRM coming from USA based hams using FM voice transmissions who, hopefully, just don't realize that 29.000 to 29.510 MHz is set aside by international agreement as a passband downlink for mode A satellites.

Wrong use of this portion of the band could be hazardous to your ticket!

(From "SMARC SPARKS")

National Capital Area Emergency and Traffic Nets:

Daily:

1300 Virginia Traffic Net: 7.26 SSB
1800 Maryland Emergency Phone Net: 3.920 SSB
1800 Virginia Sideband Net: 3.947 SSB
1830 Virginia Slow Net: 3.68 CW
1900 Virginia Net (early): 3.68 CW
1900 MD-DC Net: 3.643 CW
1915 Shenandoah Valley Emergency Net: 146.22/.82 FM
2100 Vienna Wireless Society Pow-Wow Net: 28.4 SSB
1930 MD Slow Net: 3.717 CW
2200 MD-DC Net: 3.643 CW
2200 Virginia Net (late): 3.68 CW
2215 Virginia Late Net: 3.947 SSB

Weekends & Holidays:

4/1-11/15 1100/1500: Chesapeake Bay Weather & Traffic Net: 147.705/.105 FM

Sundays:

0900 Sunday Morning Coffee Net: 50.4 AM
1900 Maryland 6 Meter Free State SSB Net: 50.125
1900 Washington Co. 2-Meter Net: 146.94/.34 FM
2100 Md-DC-NVa Regional EC Net: 146.91/.31 FM

Mondays:

2000 Woodbridge Wireless Net: 147.84/.24 FM
2030 Maryland Mobileers Net: 146.805/205

Tuesdays:

1930 Arlington ARES Net: 146.58 FM
2000 Mt. Vernon ARES Net: 146.055/.655
2000 Montgomery Co. RACES/ARES Net: 146.46 FM

Wednesdays:

2100 Fauquier Amateur Radio Association Service Net: 147.165 FM
2145 (Third Weds. of each month) VA Section ARES Appointees Net: 3947 KHz LSB

Thursdays:

1900 Four State Net: 147.09/.69 FM
1930 Vienna Wireless Society Emergency Net: 146.085/.685 FM
1930 Carroll Co. Novice Net: 28.450 SSB
2000 Alexandria Radio Club Net: 147.915/.315 FM
2000 Ole Virginia Hams Net: 146.37/.97 FM
2100 Prince Georges Amateur Radio Emergency Service Net: 147.75/.15 FM
2100 Vienna Wireless Society Traffic Net: 28.010 CW

Saturdays:

1900 MCNRC Net: 52.25/53.25 and 144.95 FM

Emergency only - as required:

Virginia Emergency Net A (VEN/A): 3910 KHz (7260 altern) SSB

National Capital Area Amateur Radio Emergency Service Emergency Coordinators

VIRGINIA

Va. Section EC: Steven P. Czaikowski, WB4ZTR (703) 869-3674
National Capital District #2 DEC: Harry Jones, N4CWP (703) 204-1781
Military District of Washington EC: Dick Lum, N6HE (703) 938-9215
Fairfax Co. EC: Bob Lewis, N4SCK (703) 830-3495
Vienna Asst. EC: Information not available
Mt. Vernon Asst. EC: Steve Schneider, WB4EEA (703) 683-6570
Alexandria EC: Chuck Rexroad, N4HCP (703) 931-2917
Arlington Co. EC: Craig Church, N4EFJ (703) 979-8325
Fauquier County EC: Bob Taylor, KC4CVG (703) 439-2786
Prince William Co. West EC: Harry Vorhauer, W4PVA (703) 368-6050
Loudoun Co. EC: Bill Roemer, K3CUU (703) 742-6154
Virginia District #1 DEC: Walt Quitter, NC4B (703) 869-5241
Clarke County EC: VACANT
Frederick Co. EC: Ed Helvey, WA2FMT (703) 888-4015
Page County EC: George McCulloch, WA3WIP (703) 743-3532
Shenandoah County: Bill Casilear, WD4CDT (703) 459-8002
Warren Co. EC: Tom Strickler, K4JNA (703) 635-3035
SKYWARN Metropolitan Washington D.C.: Jim McKone (703) 729-0234

MARYLAND

Maryland-DC SEC: Al Taylor, KN3U (301) 327-1819
Maryland-DC ASEC: Ross Merlin, WA2WDT (301) 983-2842
Nat'l Capital District DEC: Gary Mentro, WB3JRW (301) 927-4094
Md. State RACES Coordinator: Al Nollmeyer, W3YVQ (301) 252-9073
Md. State RACES Coordinator: John Rupprecht, K3NOQ
Dist. of Columbia EC: Ken Williams, N3AQG (202) 363-8364
Allegany County EC: Gay Rembold, W3DFW (301) 724-0674
Anne Arundel Co. EC: Nancy Alley, NT3Z (301) 766-0129
Baltimore City/Co. EC: Cam Whetstone, WA3YOH (301) 486-2609
Calvert Co. EC: Woody Schwartz, W3ZNW (301) 535-1281
Caroline Co. EC: VACANT
Carroll Co. EC: John Culleton, KO3Z (301) 795-1159
Cecil Co. EC: Bill Doss, N3AJJ (301) 287-5897
Charles Co. EC: VACANT
Dorchester Co. EC: VACANT
Frederick Co. EC: Rick Ogden, N3RO (301) 845-2670
Garrett Co. EC: VACANT
Harford Co. EC: VACANT
Howard Co. EC: Mike Carr, WA1QAA (301) 799-0403
Kent Co. EC: Jim Bortner, WA3UJE (301) 778-0589
Montgomery Co. EC: Hank Black, N3ESR (301) 340-8595
Prince Georges Co. EC: George Dewees, KA3KIF (301) 292-1241
Queen Anne Co. EC: Walter Brink, W3WPY (301) 643-2933
Somerset Co. EC: VACANT
St. Mary's Co. EC: Al Barolet, KJ3E
Talbot Co. EC: VACANT
Washington Co. EC: Charlie Anderson NF3X (301) 733-3061
Wicomico Co. EC: VACANT
Worcester Co. EC: Leo Kilgore KX3J (301) 641-4291
SKYWARN Metropolitan Washington D.C.: Jim McKone (703) 729-0234

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Noncommercial advertising of Amateur associated equipment is available to subscribers of AUTO-CALL at a rate of 3¢ per word -- with a \$1 minimum. Commercial vendors and nonsubscriber rate is 17¢ per word - with a \$5.50 (1 inch) minimum. Special headings or special spacing (e.g. one item per line) may be used but such ads will be charged at the column inch rate.

Full name and address must be provided with each ad but need not be published. No ads will be accepted over the telephone and all ads must be pre-paid. Estate sales for Widows Assistance handled by a FAR club will be published without cost. Since no effort is made to investigate advertisers, no warranty can be implied.

Copy must be received by the 5th of the month preceding publication.

WIDOW'S ASSISTANCE PROGRAM

Miscellaneous from Various Estates
FOR SALE: Tektronix Model 321
oscilloscope w/manual \$50
POLY-COMM 2 & 6 Meter Transceiver
and microphone \$40
HY-GAIN 8' mobile 2-meter antenna \$55
HUSTLER 2-meter mobile SF-2 Ant. \$10
VIBROKEYER Standard (New) \$40
AMIGA 300-1200 Baud Modem \$40
Howard Lefkowitz - WA3VEZ
(301) 649-3373 (H), 345-1123 (Ofc)
Silver Spring, MD 20902

FOR SALE: KENWOOD TS180S

solid state \$475
Wireless intercoms HEATH Pair \$35
KENWOOD TS700SP 2-meter all mode \$345
COLLINS HF637B rotatable ant. . INQ
DRAKE TR4 w/AC4, working . . . \$225
DRAKE T4X Transmitter \$175
John Kakstys - W2FNT, 18 Hillcrest
Terrace, Linden, NJ 07036 Phone
(201) 486-6917 (06)

FOR SALE: Collectors items:

Three shipboard receivers: Mackay
type 128-AX L.F., RCA Hf/LF type
AR-8506-B, RCA Type IP-501 Mfg
1918. All three receivers . . . \$50
You pick up. Phone (301) 544-0760.
Bill Cooke - KC3N, 308 South Drive,
Severna Park, MD 21146. (06)

NEED: Someone with nimble fingers
who can make 50 small circuit boards
(including drilling and parts
mounting) for a ham computer
interface. Ideal project for
retiree, student or part-timer.
Phone Jim - N3JT (703) 241-1144
evenings, Arlington, VA (06)

Need Antenna or tower work done?
Call L. Chertok - W3GRF.
(301) 297-4888

FOR SALE: SB 200 in unmodified
condition. Will demonstrate . \$350
Tom - K4JNA (703) 635-3035, Front
Royal, VA (06)

FOR SALE: KENWOOD TS-520 with CW
filter installed. MC-50 microphone,
excellent condition \$450
Call Ed - KC4EFJ at (703) 591-0422,
Fairfax, VA (06)

WANTED: SSB & CW filters for Heath
SB-300 receiver series (3395 IF).
Consider junked SB-301 for parts.

FOR SALE: DRAKE SL-300 300 Hz CW
Filter for TR-7/R7 - \$40. Alan -
N4LUS (301) 229-7069 evenings.
Bethesda, MD (06)

FOR SALE: FT-101 ZD with nine HF
bands, narrow CW filter, extra
cooling fan, YD-844 A microphone,
FV-101Z external VFO. Manuals
included. \$500 for all. Call KB3ZM
(301) 253-4855, Falls Church, VA(06)

FOR SALE: NATIONAL NC-200. LF band
needs repair. . \$40 or best offer.
YAESU FTdx 560. Needs realignment.
"as is" - \$100 or best offer
Open Relay Rack 5'9" high, for
mounting 19" W equipment panels \$20
or best offer. Ray Smith - N4MLC
(703) 356-4442, McLean, VA. (06)

REMEMBER The Famous BRATS Hamfest
and Computer Fest. Timonium Fair-
grounds. Sunday, July 29, 1990. For
information or reservations, write
to: BRATS; P.O. Box 5915; Baltimore,
MD 21208. See you there! (7/90)

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SHACK SALES

FOR SALE: MURCH Kilowatt Transmatch UT-2000-A \$100
 BIRD Wattmeter, Model 43, with 4-elements \$175
 B&K Capacitance meter, Model 830 \$75
 Ramsey frequency counter Model CT90 600 MHz \$100
 ICOM IC211 Transceiver, 2-meter FM, SSB, CW, 10 Watt \$200
 Regulated Power Supply, 14 V @ 30 A with speaker in cabinet (Was for Atlas 350XL)
 C.A. Baldwin - W4JAZ (703) 548-2853 Alexandria, VA (06X)

FOR SALE: HAMMARLUND 170 Receiver, excellent condition - \$125 or best offer. Leading Edge high resolution monitor, excellent condition - \$50 or best offer. Paul (202) 226-7536 (Office), 363-8593 (Home) D.C. (06)

WANTED: Old, Odd and Foreign Bugs. Smiley - WB4EDB (703) 373-0906 Call collect or write PO Box 5150, Fredericksburg, Virginia 22043 (08)

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Jim Braddy, 3037 Audrey Drive, Gastonia, North Carolina 28054. (06)

FOR SALE: ICOM R71A with pass band tuning. Barely used and in perfect condition. Original box and manual - \$625. Call Allan - KA4HSL (703) 370-1486, Alexandria, VA (06)

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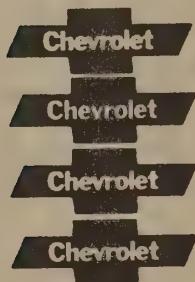
Hustler Fold-over mast with spring. Hustler Resonators for 10/15/20/40 Ball joint fitting for bumper mount. Cables for your receiver and cable for antenna. Everything you need for mobile station. Instructions included. K3BQZ (301) 270-8706 Takoma Park, MD (05)

WANTED TO BUY Commercial antenna tuner; Unique Eire Tuner, Johnson Nye Viking, Millen or any other in mint condition. Also buying stocks of vacuum tubes, any quantities. Collins station control 43S3, other Collins. Call or write anytime. Highest prices paid. Milton Levy, 7600 Blanco Road, San Antonio, TX 78216. Phone (512) 341-9549 (06C)

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FOR SALE OR TRADE: KENWOOD:

* TS-180S solid state Transceiver, VFO-180, Astron RS-20A power supply, D-104 microphone, and all manuals. Mint condition \$600
 * TS-820S, VFO 820, SP820 with three audio filters, D-104 microphone and all manuals. In mint condition \$600
 Will consider Collins 30L-1 amplifier or KMM-2/2A as trade-in toward either Kenwood station.
 Harry Kaklikian - W4ACN, 4941 Andrea Avenue, Annandale, Virginia 22003 (703) 978-4402 (06)

FOR SALE:; MIRAGE B108 2-meter - 10 in 80 out \$110
 MICRONTA Power Supply for above \$45
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 BELDEN 9913-50 Ω cable.

Approximately 96 feet \$30
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 MICROLOG AIR-1 with AMTOR . . . \$125
 VIC 20 with Casette Power Supply & Manuals \$100
 MFJ TNC 2 Packet Radio. All cables, Speaker. Works with FT726 . \$126 complete w/program for cassette.

All of the above for \$1500 Cash
 Call K3BQZ at (301) 270-8706, Takoma Park, Maryland (06X)

WANTED - Information: Anyone who attended or knows anything about Loomis Radio College or Mary Texanna Loomis, please contact me. I'm researching old radio school training. Ed Romney, Box 96, Emlenton, PA 16373 (S)

WANTED: Electronic keyer paddle.
 Call Ray - KA3VND at 894-0606 (S)

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AMATEUR RADIO NEWS SERVICE is an organization of publishers and editors of Amateur Radio newsletters and members engaged in public relations. Its purpose is to assist editors in any way possible. For information, write to Lee Knirko - W9MOL, 833 Park Plaine, Park Ridge, Illinois 60068 (SWP)

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WANTED: History of Radio to 1926 by G. Archer. Brian Belanger, 616 Nelson Street, Rockville, MD 20850 (301) 340-9020 (S)

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In determining space requirements, figure 80 12-pitch characters per line and 60 lines per page including the space taken up by headings, photographs, etc. Either black-and-white or color photos can be used as long as the contrast is good. Master copy, which is to be reproduced directly, should be in black ink on white paper and should be in proper page ratio. Any copy can be reduced or enlarged as desired.

Columns from Foundation member clubs are eagerly solicited and any items of general Amateur Radio interest are most welcome. The editor does reserve the right to edit or reject any portion of any copy submitted and to make minor changes to make copy fit available space.

SHACK SALES

Deadline for copy is the 5th of the month preceding the publication date. Shack Sales will NOT be accepted over the telephone. Full address must be provided for our reference but need not be published. Each ad must include the call sign or the full name of the advertiser. If the full address is not included in the ad, we prefer to include the city along with a telephone number so that readers will know whether a long-distance charge is involved. The entire telephone number including city and state is counted as only one word. We do not count postal zip codes. Otherwise, each word, abbreviation, model number or group of letter/numbers is counted as one word. Remittance must accompany each ad.

See next column for additional information on advertising. For further information, phone the Auto-Call editor at (703) 536-8469, McLean, VA.

ADVERTISING

SHACK SALES

Non-commercial advertising of Amateur associated equipment is available to subscribers of Auto-Call at a rate of 3¢ per word with a \$1.00 minimum. Commercial vendors and non-subscriber rate is 17¢ per word with a \$5.50 minimum.

Special headings or special spacing may be used (e.g., one item per line) but such ads will be charged at a column inch rate \$1.00 per column inch for non-commercial ads, \$5.50 per inch for commercial vendors and nonsubscribers.

Full name and address must be provided with each ad but need not be published. No ads will be accepted over the telephone. Since no effort is made to investigate advertisers, no warranty can be implied.

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DISPLAY ADS are "boxed" and may contain artwork or photographs. They may be placed along with the Shack Sales or displayed in other sections of the magazine. Requests for specific locations will be honored if practical but cannot be guaranteed.

Display ads are charged according to size and duration of run as shown below. All advertising must be pre-paid for at least the current month.

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3	4 Adams County Dept of State	5 Antietam PG Wireless	6 BARC MARC	7 Anne Arundel	8 ARRL NATIONAL Alexandria SMARC Vienna	9 Stafford
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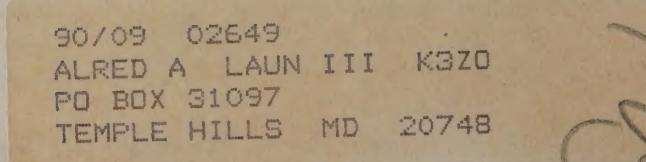
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